

应用表面与胶体化学教育部重点实验室2021年度发表的科研论文

序号	论文题目	期刊名称	年、卷、期、页	作者	备注
1	Programmable Humidity-Responsive Actuation of Polymer Films Enabled by Combining Shape Memory Property and Surface-Tunable Hygroscopicity	ACS Applied Materials & interfaces	2021, 13(32), 38773-38782	Ge, Yuhua; Wang, Hanxiao; Xue, Jieying; Jiang, Jinqiang ; Liu, Zhaotie; Liu, Zhongwen ; Li, Guo; Zhao, Yue	SCI(E) 一区
2	Tuning Open Metal Site-Free ncb Type of Metal-Organic Frameworks for Simultaneously High Gravimetric and Volumetric Methane Storage Working Capacities	ACS Applied Materials & interfaces	2021, 13(37), 44956-44963	<i>Zhang, Zong-Hui; Fang, Han</i> ; Xue, Dong-Xu; Bai, Junfeng	SCI(E) 一区
3	Formation of a N/O/F-Rich and Rooflike Cluster-Based Highly Stable Cu(I/II)-Mof for Promising Pipeline Natural Gas Upgrading by the Recovery of individual C ₃ H ₈ and C ₂ H ₆ Gases	ACS Applied Materials & interfaces	2021, 13(34), 40713-40723	<i>Cheng, Hongtao; Wang, Qian</i> ; Meng, Liuli; Sheng, Pan; Zhang, Zonghui; Ding, Min; Gao, Yajun; Bai, Junfeng	SCI(E) 一区
4	High-Performance Ketone Sensing in Vapor Phase Enabled by o-Carborane-Modified Cyclometalated Alkynyl-Gold(III) Complex-Based Fluorescent Films	ACS Applied Materials & interfaces	2021, 13(4), 5625-5633	<i>Zhang, Jing</i> ; Liu, Ke; Liu, Zhongshan ; <i>Wang, Zhaolong</i> ; Hua, Chunxia; Liu, Taihong; Fang, Yu	SCI(E) 一区
5	On-Demand Antimicrobial Agent Release from Functionalized Conjugated Oligomer-Hyaluronic Acid Nanoparticles for Tackling Antimicrobial Resistance	ACS Applied Materials & interfaces	2021, 13(1), 257-265	<i>Yuan, Qiong; Zhao, Yantao; Zhang, Ziqi</i> ; Tang, Yanli	SCI(E) 一区
6	A New Molecular Recognition Concept: Multiple Hydrogen Bonds and their Optically Triggered Proton Transfer in Confined Metal-Organic Frameworks for Superior Sensing Element	ACS Applied Materials & interfaces	2021, 13(19), 22457-22465	<i>Lei, Jiao</i> ; Wang, Bingqiang; Li, Yong-Peng; Ji, Wen-Juan; Wang, Ke; Qi, Honglan ; Chou, Pi-Tai; Zhang, Miao-Miao; Bian, Hongtao; Zhai, Quan-Guo	SCI(E) 一区
7	High-Performance Trichloroacetic Acid Sensor Based on the intramolecular Hydrogen Bond formation and Disruption of a Specially Designed Fluorescent o-Carborane Derivative in the Film State	ACS Applied Materials & interfaces	2021, 13(16), 19342-19350	<i>Liu, Ke; Wang, Gang; Ding, Nannan; Zhang, Jing; Kong, Jinglin</i> ; Liu, Taihong; Fang, Yu	SCI(E) 一区
8	Hydrogen and Potassium Acetate Co-Production from Electrochemical Reforming of Ethanol at Ultrathin Cobalt Sulfide Nanosheets on Nickel Foam	ACS Applied Materials & interfaces	2021, 13(3), 4026-4033	Ding, Yu; Xue, Qi; Hong, Qing-Ling; Li, Fu-Min; Jiang, Yu-Cheng; Li, Shu-Ni; Chen, Yu	SCI(E) 一区

9	Suppression of Sunscreen Leakage in Water by Amyloid-like Protein Aggregates	ACS Applied Materials & interfaces	2021, 13(36), 42451-42460	Chang, Mengjie; Fan, Simeng; Lu, Runqiu; Tao, Fei; Yang, Facui; <i>Han, Qian</i> ; Liu, Jun; Yang, Peng	SCI(E) — ☒
10	Flexible and Transparent Oligothiophene-o-Carborane-Containing Hybrid Films for Nonlinear Optical Limiting Based on Efficient Two-Photon Absorption	ACS Applied Materials & interfaces	2021, 13(24), 28985-28995	Feng, Wan; <i>Liu, Ke</i> ; Zang, Jianyang; Wang, Gang; Miao, Rong; Ding, Liping; Liu, Taihong ; Kong, Jinglin; Fang, Yu	SCI(E) — ☒
11	Film Nanoarchitectonics of Pillar[5]arene for High-Performance Fluorescent Sensing: a Proof-of-Concept Study	ACS Applied Materials & interfaces	2021, 13(45), 54561-54569	Zhai, Binbin; <i>Huang, Rongrong</i> ; <i>Tang, Jiaqi</i> ; <i>Li, Min</i> ; <i>Yang, Jinglun</i> ; <i>Wang, Gang</i> ; Liu, Kaiqiang; Fang, Yu	SCI(E) — ☒
12	An O-Carborane Derivative of Perylene Bisimide-Based Thin Film Displaying both Electrochromic and Electrofluorochromic Properties	ACS Applied Materials & interfaces	2021, 13(41), 49500-49508	Hua, Chunxia; Liu, Ke; Wu, Ying; Xu, Wenjun; <i>Zhang, Jing</i> ; <i>Wang, Zhaolong</i> ; Liu, Kaiqiang; Fang, Yu	SCI(E) — ☒
13	Mimicking Thylakoid Membrane with Chlorophyll/TiO ₂ /Lipid Co-assembly for Light-Harvesting and Oxygen Releasing	ACS Applied Materials & interfaces	2021, 13(9), 11461-11469	Shen, Shukun; Wang, Yiyun; Dong, Jingxuan; Zhang, Rui; Parikh, Atul; Chen, Jian-Gang; Hu, Daodao	SCI(E) — ☒
14	Ultrathin NiSe Nanosheets on Ni Foam for Efficient and Durable Hydrazine-assisted Electrolytic Hydrogen Production	ACS Applied Materials & interfaces	2021, 13(29), 34457-34467	Li, Ying; Zhao, Yue; Li, Fu-Min; Dang, Zhiya; Gao, Pingqi	SCI(E) — ☒
15	Nanoantennas involved Optical Plasmonic Cavity for Improved Luminescence of Quantum Dots Light-Emitting Diodes	ACS Applied Materials & interfaces	2021, 13(37), 44760-44767	Wang, Hongyue; Guo, Yangyang; Zang, Jianyang; Hao, Hongxing; Wang, Le; Liu, Taihong; Bian, Hongtao ; Jiang, Ruibin; Wen, Ruijuan; Li, Huixin; tong, Yu; Wang, <u>Hongqiang</u>	SCI(E) — ☒
16	Bifunctional Palladium Hydride Nanodendrite Electrocatalysts for Hydrogen Evolution integrated with formate Oxidation	ACS Applied Materials & interfaces	2021, 13(11), 13149-13157	Sun, Hui-Ying; Ding, Yu; Yue, Ya-Qi; Xue, Qi; Li, Fu-Min; Jiang, Jia-Xing; Chen, Pei; Chen, Yu	SCI(E) — ☒
17	Bifunctional Pd@RhPd Core-Shell Nanodendrites for Methanol Electrolysis	ACS Applied Materials & interfaces	2021, 13(30), 35767-35776	Jiang, Yu-Chuan; Sun, Hui-Ying; Li, Ya-Nan; He, Jia-Wei; Xue, Qi; Tian, Xinlong; Li, Fu-Min; Yin, Shi-Bin; Li, Dong-Sheng; Chen, Yu	SCI(E) — ☒
18	Multichannel Paper Chip-Based Gas Pressure Bioassay for Simultaneous Detection of Multiple MicroRNAs	ACS Applied Materials & interfaces	2021, 13(13), 15008-15016	<i>Shi, Lu</i> ; Liu, Wei; Li, Baoxin ; Yang, Chaoyong James; Jin, Yan	SCI(E) — ☒

19	Robust and Large-Area Calix[4]pyrrole-Based Nanofilms Enabled by Air/DMSO interfacial Self-assembly-Confined Synthesis	ACS Applied Materials & interfaces	2021, 13(2), 3336-3348	Yang, Jinglun; Liu, Xiangquan; Tang, Jiaqi; Dedinaite, andra; Liu, Jianfei; Miao, Rong; Liu, Kaiqiang; Peng, Junxia ; Claesson, Per Martin; Liu, Xiaoyan; Fang, Yu	SCI(E) — ☒
20	Effect of the Spatial Configuration of Donors on the Photovoltaic Performance of Double D- π -A Organic Dyes	ACS Applied Materials & interfaces	2021, 13(34), 40648-40655	Zhou, Pengjuan; Liang, Jianying; Lin, Bobing; An, Zhongwei ; Chen, Ran; Chen, Xinbing ; An, Qi; Chen, Pei	SCI(E) — ☒
21	Efficient Photoinduced Energy and Electron Transfers in a Tetraphenylethene-Based Octacationic Cage Through Host-Guest Complexation	ACS Applied Materials & interfaces	2021, 13(14), 16837-16845	Duan, Honghong; Cao, Fan; Hao, Hongxing; Bian, Hongtao ; Cao, Liping	SCI(E) — ☒
22	Synergistic Electrocatalytic Hydrogen Evolution in Ni/NiS Nanoparticles Wrapped in Multi-Heteroatom-Doped Reduced Graphene Oxide Nanosheets	ACS Applied Materials & interfaces	2021, 13(29), 34043-34052	Hegazy, Mohamed Barakat Zakaria; Berber, Mohamed Reda; Yamauchi, Yusuke; Pakdel, Amir; Cao, Rui ; Apfel, Ulf-Peter	SCI(E) — ☒
23	Highly Efficient Catalytic Two-Electron Two-Proton Reduction of Dioxygen to Hydrogen Peroxide with a Cobalt Corrole Complex	ACS Catalysis	2021, 11(5), 3073-3083	Rana, Atanu; Lee, Yong-Min; Li, Xialiang; Cao, Rui ; Fukuzumi, Shunichi; Nam, Wonwoo	SCI(E) — ☒
24	Deciphering the intense Postgap Absorptions of Monolayer Transition Metal Dichalcogenides	ACS Nano	2021, 15(4), 7783-7789	Hong, Jinhua; Koshino, Masanori; Senga, Ryosuke; Pichler, Thomas; Xu, Hua ; Suenaga, Kazu	SCI(E) — ☒
25	Enabling Solar Hydrogen Production over Selenium: Surface State Passivation and Cocatalyst Decoration	ACS Sustainable Chemistry & Engineering	2021, 9(29), 9923-9931	Li, Jiahui; Li, Deng; Gao, Fei; Han, Yu; Yan, Junqing; Liu, Shengzhong	SCI(E) — ☒
26	Connecting PEDOT Nanotube Arrays by Polyaniline Coating toward a Flexible and High-Rate Supercapacitor	ACS Sustainable Chemistry & Engineering	2021, 9(11), 4146-4156	Niu, Fei; Han, Xiying; Sun, Hui; Li, Qi; He, Xuexia; Liu, Zonghuai ; Sun, Jie; Lei, Zhibin	SCI(E) — ☒
27	Fluoroethylamine Engineering for Effective Passivation to Attain 23.4% Efficiency Perovskite Solar Cells with Superior Stability	Advanced Energy Materials	2021, 11(30), 2101454	Su, Hang; Zhang, Jing; Hu, Yingjie; Du, Xinyi; Yang, Ying; You, Jiaxue; Gao, Lili; (Frank) Liu, Shengzhong	SCI(E) — ☒
28	Spontaneous Construction of Multidimensional Heterostructure Enables Enhanced Hole Extraction for inorganic Perovskite Solar Cells to Exceed 20% Efficiency	Advanced Energy Materials	2022, 12, 2103007	Zhang, Shiang; Zhang, Lu; Tian, Qingwen; Gu, Xiaojing; Du, Yachao; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) — ☒

29	Metal-Free Organic Halide Perovskite: A New Class for Next Optoelectronic Generation Devices	Advanced Energy Materials	2021, 11(11), 2003331	Song, Xin; Hodes, Gary; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) — <input checked="" type="checkbox"/>
30	Film formation Control for High Performance Dion-Jacobson 2D Perovskite Solar Cells	Advanced Energy Materials	2021, 11(19), 2002733	Zhang, Xu; Yang, Tinghuan; Ren, Xiaodong; Zhang, Lu; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) — <input checked="" type="checkbox"/>
31	Aqueous MXene/PH1000 Hybrid inks for inkjet-Printing Micro-Supercapacitors with Unprecedented Volumetric Capacitance and Modular Self-Powered Microelectronics	Advanced Energy Materials	2021, 11(23), 2100746	Ma, Jiaxin; Zheng, Shuanghao; Cao, Yuexian; Zhu, Yuanyuan; Das, Pratteek; Wang, Hui; Liu, Yu; Wang, Jiemin; Chi, Liping; Liu, Shengzhong (Frank) ; Wu, Zhong-Shuai	SCI(E) — <input checked="" type="checkbox"/>
32	Samarium-Doped Nickel Oxide for Superior inverted Perovskite Solar Cells: insight into Doping Effect for Electronic Applications	Advanced Functional Materials	2021, 31(34), 2102452	Bao, Huaxi; Du, Minyong; Wang, Hui; Wang, Kai; Zuo, Xiaokun; Liu, Fangyv; Liu, Lu; Eder, Dominik; Cherevan, Alexey; Wang, Shimin; Wan, Li; Zhao, Shuai; Liu, Shengzhong (Frank)	SCI(E) — <input checked="" type="checkbox"/>
33	Full-Temperature All-Solid-State $Ti_3C_2T_x$ /Aramid Fiber Supercapacitor with Optimal Balance of Capacitive Performance and Flexibility	Advanced Functional Materials	2021, 31(22), 2010944	Liu, Qi; Zhao, Anran; He, Xuexia; Li, Qi; Sun, Jie; Lei, Zhibin; Liu, Zong-Huai	SCI(E) — <input checked="" type="checkbox"/>
34	Centimeter-Sized Molecular Perovskite Crystal for Efficient X-Ray Detection	Advanced Functional Materials	2021, 31(21), 2100691	Ma, Chuang; Chen, Fang; Song, Xin; Chen, Ming; Gao, Lili; Wang, Peijun; Wen, Jialun; Yang, Zhou ; Tang, Youzhi; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) — <input checked="" type="checkbox"/>
35	In-Situ Hot Oxygen Cleansing and Passivation for All-inorganic Perovskite Solar Cells Deposited in Ambient to Breakthrough 19% Efficiency	Advanced Functional Materials	2021, 31(25), 2101568	Wang, Kang; Gao, Changji; Xu, Zhuo; Tian, Qingwen; Gu, Xiaojing; Zhang, Lu; Zhang, Shiang; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) — <input checked="" type="checkbox"/>
36	Centimeter-Sized Single Crystals of Two-Dimensional Hybrid Iodide Double Perovskite $(4,4\text{-Difluoropiperidinium})_4\text{AgBiI}_8$ for High-Temperature Ferroelectricity and Efficient X-Ray Detection	Advanced Functional Materials	2021, 31(13), 2009457	Wang, Chang-Feng; Li, Haojin; Li, Mao-Guang; Cui, Yu; Son, Xin; Wang, Qin-Wen; Jiang, Jia-Ying; Hua, Miao-Miao; Xu, Qi; Zhao, Kui ; Ye, Heng-Yun; Zhang, Yi	SCI(E) — <input checked="" type="checkbox"/>
37	Identifying the Electrostatic and Entropy-Related Mechanisms for Charge-Transfer Exciton Dissociation at Doped Organic Heterojunctions	Advanced Functional Materials	2021, 31(25), 2101892	Xue, Wenyue; Tang, Yabing; Zhou, Xiaobo; Tang, Zheng; Zhao, Hanzhang; Li, Tao; Zhang, Lu; Liu, Shengzhong (Frank) ; Zhao, Chao; Ma, Wei; Yan, Han	SCI(E) — <input checked="" type="checkbox"/>

38	Realizing the intrinsic Anisotropic Growth of 1T' ReS ₂ on Selected Au(101) Substrate toward Large-Scale Single Crystal Fabrication	Advanced Functional Materials	2021, 31(28), 2102138	Li, Xiaobo; Dai, Xinyue; Tang, Deqi; Wang, Xiao; Hong, Jinhua; Chen, Chao; Yang, Yang; Lu, Jiangbo; Zhu, Jianguo; Lei, Zhibin ; Suenaga, Kazu; Ding, Feng; Xu, Hua	SCI(E) — ☒
39	N-Type Surface Design for p-Type CZTSSe Thin Film to Attain High Efficiency	Advanced Materials	2021, 33(49), 2104330	Sun, Yali; Qiu, Pengfei; Yu, Wei; Li, Jianjun; Guo, Hongling; Wu, Li; Luo, Hao; Meng, Rutao; Zhang, Yi; Liu, Shengzhong (Frank)	SCI(E) — ☒
40	Crack Suppression in Conductive Film by Amyloid-Like Protein Aggregation toward Flexible Device	Advanced Materials	2021, 33(44), 2104187	Chen, Mengmeng; Yang, Facui; Chen, Xi; Qin, Rongrong; Pi, Hemu; Zhou, Guijiang; Yang, Peng	SCI(E) — ☒
41	Molten-Salt-assisted CsPbI ₃ Perovskite Crystallization for Nearly 20%-Efficiency Solar Cells	Advanced Materials	2021, 33(45), 2103770	Zhang, Jingru; Fang, Yuankun; Zhao, Wangen; Han, Ruijie; Wen, Jialun; Liu, Shengzhong (Frank)	SCI(E) — ☒
42	40.1% Record Low-Light Solar-Cell Efficiency by Holistic Trap-Passivation using Micrometer-Thick Perovskite Film	Advanced Materials	2021, 33(27), 2100770	He, Xilai; Chen, Jiangzhao; Ren, Xiaodong; Zhang, Lu; Liu, Yucheng; Feng, Jiangshan; Fang, Junjie; Zhao, Kui ; Liu, Shengzhong (Frank)	SCI(E) — ☒
43	Lattice Matching Growth of Conductive Hierarchical Porous Mof/LDH Heteronanotube Arrays for Highly Efficient Water Oxidation	Advanced Materials	2021, 33(8), 2006351	Wang, Ying; Yan, Liting; Dastafkan, Kamran; Zhao, Chuan; Zhao, Xuebo; Xue, Yingying; Huo, Jiamin; Li, Shuni; Zhai, Quanguo	SCI(E) — ☒
44	Air-Stable 2D Cr ₅ Te ₈ Nanosheets with Thickness-Tunable Ferromagnetism	Advanced Materials	2021, 2107512	Chen, Chao; Chen, Xiaodie; Wu, Changwei; Wang, Xiao; Ping, Yue; Wei, Xin; Zhou, Xing; Lu, Jiangbo; Zhu, Lujun; Zhou, Jiadong; Zhai, Tianyou; Han, Junbo; Xu, Hua	SCI(E) — ☒
45	Highly Luminescent Metal-Free Perovskite Single Crystal for Biocompatible X-Ray Detector to Attain Highest Sensitivity	Advanced Materials	2021, 33(36), 2102190	Song, Xin; Li, Qian; Han, Jiang; Ma, Chuang; Xu, Zhuo; Li, Haojin; Wang, Peijun; Yang, Zhou; Cui, Qingyue; Gao, Lili; Quan, Zewei; Liu, Shengzhong (Frank) ; Zhao, Kui	SCI(E) — ☒
46	Multitasking MXene inks Enable High-Performance Printable Microelectrochemical Energy Storage Devices for All-Flexible Self-Powered integrated Systems	Advanced Materials	2021, 33(10), 2005449	Zheng, Shuanghao; Wang, Hui; Das, Pratteek; Zhang, Ying; Cao, Yuexian; Ma, Jiabin; Liu, Shengzhong (Frank) ; Wu, Zhong-Shuai	SCI(E) — ☒

47	Triple-Cation and Mixed-Halide Perovskite Single Crystal for High-Performance X-ray Imaging	Advanced Materials	2021, 33(8), 2006010	Liu, Yucheng; Zhang, Yunxia; Zhu, Xuejie; Feng, Jiangshan; Spanopoulos, Ioannis; Ke, Weijun; He, Yihui; Ren, Xiaodong; Yang, Zhou; Xiao, Fengwei; Zhao, Kui ; Kanatzidis, Mercuri; Liu, Shengzhong (Frank)	SCI(E) — ☒
48	Photogenerated Charge Separation between Polar Crystal Facets Under a Spontaneous Electric Field	Advanced Optical Materials	2021, 9(10), 2001898	Liu, Bin; Yang, Heqing; Liu, Shengzhong	SCI(E) — ☒
49	Dual Passivation of Perovskite and SnO ₂ for High-Efficiency MAPbI ₃ Perovskite Solar Cells	Advanced Science	2021, 8(5), 2001466	Chen, Yali; Zuo, Xuejiao; He, Yiyang; Qian, Fang; Zuo, Shengnan; Zhang, Yalan; Liang, Lei; Chen, Zuqin; Zhao, Kui ; Liu, Zhike ; Gou, Jing; Liu, Shengzhong (Frank)	SCI(E) — ☒
50	Enhanced Efficiency and Stability of All-inorganic CsPbI ₂ Br Perovskite Solar Cells by Organic and Ionic Mixed Passivation	Advanced Science	2021, 8(17), 2101367	He, Jian; Su, Jie; Lin, Zhenhua; Ma, Jing; Zhou, Long; Zhang, Siyu; Liu, Shengzhong ; Chang, Jingjing; Hao, Yue	SCI(E) — ☒
51	Antisolvent- and Annealing-Free Deposition for Highly Stable Efficient Perovskite Solar Cells via Modified ZnO	Advanced Science	2021, 8(13), 2002860	Wang, Ziyu; Zhu, Xuejie; Feng, Jiangshan; Wang, Chenyu; Zhang, Cong; Ren, Xiaodong; Priya, Shashank; Liu, Shengzhong (Frank) ; Yang, Dong	SCI(E) — ☒
52	Reveal the Humidity Effect on the Phase Pure CsPbBr ₃ Single Crystals formation at Room Temperature and Its Application for Ultrahigh Sensitive X-Ray Detector	Advanced Science	2103482	Di, Jiayu; Li, Haojin; Su, Jie; Yuan, Haidong; Lin, Zhenhua; Zhao, Kui ; Chang, Jingjing; Hao, Yue	SCI(E) — ☒
53	High-Performance Sensing of formic Acid Vapor Enabled by a Newly Developed Nanofilm-Based Fluorescent Sensor	Analytical Chemistry	2021, 93(18), 7094-7101	Wu, Ying; Hua, Chunxia; Liu, Zhongshan ; Yang, Jinglun; Huang, Rongrong; Li, Min; Liu, Kaiqiang ; Miao, Rong ; Fang, Yu	SCI(E) — ☒
54	Dual-Phase Emission AIEgen with ICT Properties for VOC Chromic Sensing	Analytical Chemistry	2021, 93(24), 8501-8507	Fang, Wan; Liu, Ke; Wang, Gang; Liang, Yuzhe; Huang, Rongrong; Liu, Taihong ; Ding, Liping ; Peng, Junxia ; Peng, Haonan ; Fang, Yu	SCI(E) — ☒
55	Click Chemistry-Actuated Digital DNA Walker Confined on a Single Particle toward Absolute MicroRNA Quantification	Analytical Chemistry	2021, 93(3), 1620-1626	<i>Qi, Yan</i> ; <i>Zhai, Yuqing</i> ; <i>Fan, Wenjiao</i> ; Ren, Wei ; Li, Zhengping; Liu, Chenghui	SCI(E) — ☒
56	Dimeric G-Quadruplex: An Effective Nucleic Acid Scaffold for Lighting Up Thioflavin T	Analytical Chemistry	2021, 93(3), 1333-1341	Jing, Shaochun; Liu, Qiang; Jin, Yan ; Li, Baoxin	SCI(E) — ☒

57	Microchamber-Free Digital Flow Cytometric Analysis of T4 Polynucleotide Kinase Phosphatase Based on Single-Enzyme-to-Single-Bead Space-Confined Reaction	Analytical Chemistry	2021, 93(44), 14828-14836	Zhang, Lijun; <i>Fan, Wenjiao</i> ; Jia, Dailu; <i>Feng, Qinya</i> ; Ren, Wei; Liu, Chenghui	SCI(E) - ☒
58	Rational Surface-Defect Control via Designed Passivation for High-Efficiency inorganic Perovskite Solar Cells	Angewandte Chemie-international Edition	2021, 60(43), 23164-23170	Gu, Xiaojing; Xiang, Wanchun; Tian, Qingwen; Liu, Shengzhong (Frank)	SCI(E) - ☒
59	Metal-Organic-Framework-Supported Molecular Electrocatalysis for the Oxygen Reduction Reaction	Angewandte Chemie-international Edition	2021, 60(15), 8472-8476	Liang, Zuozhong; Guo, Hongbo; Zhou, Guojun; Guo, Kai; Wang, Bin; Lei, Haitao; Zhang, Wei; Zheng, Haoquan ; Apfel, Ulf-Peter; Cao, Rui	SCI(E) - ☒
60	Ligand-Conformer-induced formation of Zirconium-Organic Framework for Methane Storage and Mto Product Separation	Angewandte Chemie-international Edition	2021, 60(30), 16521-16528	Fang, Han; Zheng, Bin; Zhang, Zong-Hui; Li, Hong-Xin; Xue, Dong-Xu; Bai, Junfeng	SCI(E) - ☒
61	IrO _x @In ₂ O ₃ Heterojunction from individually Crystallized Oxides for Weak-Light-Promoted Electrocatalytic Water Oxidation	Angewandte Chemie-international Edition	2021, 60(51), 26790-26797	Yang, Yumei; Ji, Yujin; Li, Guangyu; Li, Youyong; Jia, Baohua; Yan, Junqing; Ma, Tianyi; Liu, Shengzhong (Frank)	SCI(E) - ☒
62	Precise Pore Space Partitions Combined with High-Density Hydrogen-Bonding Acceptors within Metal-Organic Frameworks for Highly Efficient Acetylene Storage and Separation	Angewandte Chemie-international Edition	2021, 60(18), 10122-10128	Xue, Ying-Ying; Bai, Xiao-Ying; Zhang, Jing; Wang, Ying; Li, Shu-Ni; Jiang, Yu-Cheng; Hu, Man-Cheng; Zhai, Quan-Guo	SCI(E) - ☒
63	Enzyme-inspired Iron Porphyrins for Improved Electrocatalytic Oxygen Reduction and Evolution Reactions	Angewandte Chemie-international Edition	2021, 60(14), 7576-7581	<i>Xie, Lisi</i> ; <i>Zhang, Xue-Peng</i> ; Zhao, Bin; Li, Ping; <i>Qi, Jing</i> ; Guo, Xinai; Wang, Bin; Lei, Haitao; Zhang, Wei ; Apfel, Ulf-Peter; Cao, Rui	SCI(E) - ☒
64	Light-Promoted C-N Coupling of Aryl Halides with Nitroarenes	Angewandte Chemie-international Edition	2021, 60(10), 5230-5234	Li, Gang; <i>Yang, Liu</i> ; Liu, Jian-Jun; Zhang, Wei; Cao, Rui; Wang, Chao ; Zhang, Zunting; Xiao, Jianliang; Xue, Dong	SCI(E) - ☒
65	Chiral Arylated Amines via C-N Coupling of Chiral Amines with Aryl Bromides Promoted by Light	Angewandte Chemie-international Edition	2021, 60(39), 21536-21542	<i>Song, Geyang</i> ; <i>Yang, Liu</i> ; Li, Jing-Sheng; Tang, Wei-Jun; Zhang, Wei; Cao, Rui; Wang, Chao ; Xiao, Jianliang; Xue, Dong	SCI(E) - ☒
66	Interfaces and Interfacial Layers in inorganic Perovskite Solar Cells	Angewandte Chemie-international Edition	2021, 60(51), 26440-26453	Xiang, Wanchun; Liu, Shengzhong (Frank) ; Tress, Wolfgang	SCI(E) - ☒

67	Ultra-Large Sized Siloxene Nanosheets as Bifunctional Photocatalyst for a Li-O-2 Battery with Superior Round-Trip Efficiency and Extra-Long Durability	Angewandte Chemie-international Edition	2021, 60(20), 11257-11261	Jia, Congying; Zhang, Feng; She, Liaona; Li, Qi; He, Xuexia; Sun, Jie; Lei, Zhibin; Liu, Zong-Huai	SCI(E) — ☒
68	Sustainable Production of Benzylamines from Lignin	Angewandte Chemie-international Edition	2021, 60(38), 20666-20671	Zhang, Bo; Guo, Tenglong; Liu, Yuxuan; Kuhn, Fritz E.; Wang, Chao ; Zhao, Zongbao K.; Xiao, Jianliang; Li, Changzhi; Zhang, Tao	SCI(E) — ☒
69	Highly Curved Nanostructure-Coated Co, N-Doped Carbon Materials for Oxygen Electrocatalysis	Angewandte Chemie-international Edition	2021, 60(23), 12759-12764	Liang, Zuozhong; Kong, Ningning; Yang, Chenxi; Zhang, Wei; Zheng, Haoquan ; Lin, Haiping; Cao, Rui	SCI(E) — ☒
70	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis	Angewandte Chemie-international Edition	2021, 60(20), 11391-11397	Ge, Meng; Wang, Yanzhi; Carraro, Francesco; Liang, Weibin; Roostaeinia, Morteza; Siahrostami, Samira; Proserpio, Davide M.; Doonan, Christian; Falcaro, Paolo; Zheng, Haoquan ; Zou, Xiaodong; Huang, Zhehao	SCI(E) — ☒
71	Controlling Oxygen Reduction Selectivity through Steric Effects: Electrocatalytic Two-Electron and Four-Electron Oxygen Reduction with Cobalt Porphyrin Atropisomers	Angewandte Chemie-international Edition	2021, 60(23), 12742-12746	Lv, Bin; Li, Xialiang; Guo, Kai; Ma, Jun; Wang, Yanzhi; Lei, Haitao; Wang, Fang; Jin, Xiaotong; Zhang, Qingxin; Zhang, Wei; Long, Ran; Xiong, Yujie; Apfel, Ulf-Peter; Cao, Rui	SCI(E) — ☒
72	Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide	Angewandte Chemie-international Edition	2021, 60(9), 4570-4574	Yang, Lingzhi; Yan, Liting; Wang, Ying; Liu, Zhi; He, Jiangxiu; Fu, Qiuju; Liu, Dandan; Gu, Xin; Dai, Pengcheng; Li, Liangjun; Zhao, Xuebo	SCI(E) — ☒
73	Colorimetric and Fluorometric Dual-Readout Protein Kinase assay by Tuning The Active Surface of Nanoceria	Chemical Communications	2021, 57(66), 8154-8157	Sun, Sujuan; Zhang, Lijun; Lu, Xiaohui; Ren, Wei; Liu, Chenghui	SCI(E) — ☒
74	Triazine-Wingtips Accelerated NHC-Pd Catalysed Carbonylative Sonogashira Cross-Coupling Reaction	Chemical Communications	2021, 57(96), 13020-13023	Zhang, Kan; Yao, Yanxiu; Sun, Wenjin; <i>Wen, Rui</i> ; Wang, Yanyan; Sun, Huaming; Zhang, Weiqiang ; Zhang, Guofang; Gao, Ziwei	SCI(E) — ☒
75	Space-Confined Construction of Two-Dimensional Nitrogen-Doped Carbon with Encapsulated Bimetallic Nanoparticles as Oxygen Electrocatalysts	Chemical Communications	2021, 57(66), 8190-8193	Wang, Fang; Xu, Yang; Wang, Yanzhi; Liang, Zuozhong; Zhang, Ru; Wang, Yaru; Zhang, Hang; Zhang, Wei; Cao, Rui; Zheng, Haoquan	SCI(E) — ☒

76	Autologous Manganese Phosphates with Different Mn Sites for Electrocatalytic Water Oxidation	Chemical Communications	2021, 57(50), 6165-6168	Yang, Shujiao; Wan, Shanhong; Shang, Fanfan; Chen, Dandan; Zhang, Wei; Cao, Rui	SCI(E) — ☒
77	Rhombic Dodecahedral Gold Nanoparticles: Chiral Sensing Probes for Naked-Eye Recognition of Histidine Enantiomers	Chemical Communications	2022, 58, 427-430	<i>Shi, Xiaoyu</i> ; Zhang, Guiping; Liu, Wei; Jin, Yan; Li, Baoxin	SCI(E) — ☒
78	Dual-State Efficient Chromophore with Ph-Responsive and Solvatochromic Properties Based on an asymmetric Single Benzene Framework	Chemical Communications	2021, 57(33), 4011-4014	<i>Liu, Huijing</i> ; <i>Zhang, Sisi</i> ; Ding, Liping; Fang, Yu	SCI(E) — ☒
79	Palladium-Catalyzed Cascade Carbonylative Annulation Between Alkene-Tethered Aryl Iodides and Carbon Monoxide	Chemical Communications	2021, 57(57), 7023-7026	Zhang, Yong; Sun, Ya-Kui; Chang, Ya-Ping; Shao, Hui; Zhao, Yu-Ming	SCI(E) — ☒
80	One-Step Hydrothermal Synthesis of Chiral Carbon Dots with High asymmetric Catalytic Activity for an Enantioselective Direct Aldol Reaction	Chemical Communications	2021, 57(30), 3680-3683	Liu, Shuang; He, Yu; Liu, Yu; Wang, Shuaibin; Jian, Yajun; Li, Baoxin ; Xu, Chunli	SCI(E) — ☒
81	Red-Emitting Fluorogenic Bodipy-Tetrazine Probes for Biological Imaging	Chemical Communications	2021, 58(2), 298-301	Chen, Lei; Li, Fei; Li, Yan; Yang, Jun; Li, Yongjun; He, Bin	SCI(E) — ☒
82	All-Natural Superhydrophobic Coating for Packaging and Blood-Repelling Materials	Chemical Engineering Journal	2021, 410, 128347	Li, Juling; Tian, Juanhua; Gao, Yingtao; Qin, Rongrong; Pi, Hemu; Li, Mengjie; Yang, Peng	SCI(E) — ☒
83	Au@Ir Core-Shell Nanowires towards Oxygen Reduction Reaction	Chemical Engineering Journal	2021, 421, 129760	Xue, Qi; Sun, Hui-Ying; Li, Ya-Nan; Zhong, Ming-Jun; Li, Fu-Min; Tian, Xinlong; Chen, Pei; Yin, Shi-Bin; Chen, Yu	SCI(E) — ☒
84	Amyloid-Like Aggregates of Bovine Serum Albumin for Extraction of Gold from Ores and Electronic Waste	Chemical Engineering Journal	2021, 416, 129066	Yang, Qingmin; Cao, Jing; Yang, Facui; Liu, Yongchun; Chen, Mengmeng; Qin, Rongrong; Chen, Lixin; Yang, Peng	SCI(E) — ☒
85	Co/Light Dual-Activatable Ru(II)-Conjugated Oligomer Agent for Lysosome-Targeted Multimodal Cancer Therapeutics	Chemical Science	2021, 12(34), 11515-11524	Yang, Min; Zhao, Hao; Zhang, Ziqi; Yuan, Qiong; Feng, Qian; Duan, Xinrui; Wang, Shu; Tang, Yanli	SCI(E) — ☒

86	Conjugated Polymers with Benzoyl-N-methylpyridinium Units: An Effective Design Strategy for High-Performance Lithium-Ion Batteries	Chemistry of Materials	2021, 33(12), 4596-4605	Gao, Guangyuan; Wang, Xiujuan; Chen, Ling; Baumgartner, Thomas; He, Xiaoming	SCI(E) — ☒
87	O-O Bond formation Mechanisms During the Oxygen Evolution Reaction Over Synthetic Molecular Catalysts	Chinese Journal of Catalysis	2021, 42(8), 1253-1268	Zhang, Xue-Peng; Wang, Hong-Yan; Zheng, Haoquan; Zhang, Wei; Cao, Rui	SCI(E) — ☒
88	An Unusual Network of Alpha-MnO ₂ Nanowires with Structure-induced Hydrophilicity and Conductivity for Improved Electrocatalysis	Chinese Journal of Catalysis	2021, 42(10), 1724-1731	Chen, Yingdong; Yang, Shujiao; Liu, Hongfei; Zhang, Wei; Cao, Rui	SCI(E) — ☒
89	Single Crystal Metal-Organic Framework Constructed by Vertically Self-Pillared Nanosheets and Its Derivative for Oriented Lithium Plating	Chinese Journal of Catalysis	2021, 42(9), 1553-1560	Jia, Xiaomin; Li, Shaowen; Sun, Tu; Wang, Yanzhi; Fan, Yaqi; Zhang, Chaochao; Xu, Yang; Liang, Zuozhong; Lei, Haitao; Zhang, Wei; Zhou, Yuye; Ma, Yanhang; Zheng, Haoquan; Ma, Yue; Cao, Rui	SCI(E) — ☒
90	Alkali Metal Cation Effects on Electrocatalytic CO ₂ Reduction with Iron Porphyrins	Chinese Journal of Catalysis	2021, 42(9), 1439-1444	Guo, Kai; Lei, Haitao; Li, Xialiang; Zhang, Zongyao; Wang, Yabo; Guo, Hongbo; Zhang, Wei; Cao, Rui	SCI(E) — ☒
91	Preface to Special Issue on Water Splitting, From Molecular to Material	Chinese Journal of Catalysis	2021, 42(8), 1239-1240	Cao, Rui; Jiang, Hai-Long	SCI(E) — ☒
92	Metal-Doped Mo ₂ C (Metal = Fe, Co, Ni, Cu) as Catalysts on TiO ₂ for Photocatalytic Hydrogen Evolution in Neutral Solution	Chinese Journal of Catalysis	2021, 42(1), 205-216	Liu, Jing; Hodes, Gary; Yan, Junqing; Liu, Shengzhong (Frank)	SCI(E) — ☒
93	Small-Sized Cuprous Oxide Species on Silica Boost Acrolein formation via Selective Oxidation of Propylene	Chinese Journal of Catalysis	2021, 42(2), 320-333	Guo, Ling-Ling; Yu, Jing; Wang, Wei-Wei; Liu, Jia-Xu; Guo, Hong-Chen; Ma, Chao; Jia, Chun-Jiang; Chen, Jun-Xiang; Si, Rui	SCI(E) — ☒
94	Ni-Based 3D Hierarchical Heterostructures Achieved by Selective Electrodeposition as a Bifunctional Electrocatalyst for Overall Water Splitting	Electrochimica Acta	2021, 379, 138042	Li, Youjun; Dastafkan, Kamran; Sun, Qiangqiang; Ma, Yi; Wang, Xiuhang; Yang, Xueying; Wang, Zenglin; Zhao, Chuan	SCI(E) — ☒

95	Dual interfacial Engineering for Efficient Cs ₂ AgBiBr ₆ Based Solar Cells	Journal of Energy Chemistry	2021, 53, 372-378	Luo, Tao; Zhang, Yalan; Chang, Xiaoming; Fang, Junjie; Niu, Tianqi; Lu, Jing; Fan, Yuanyuan; Ding, Zicheng; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) - ☒
96	Engineering Nanointerface of Molybdenum-Based Heterostructures to Boost the Electrocatalytic Hydrogen Evolution Reaction	Journal of Energy Chemistry	2021, 58, 370-376	Liu, tong; Zhou, Shuqing; Qi, Jing; Wang, Kaiwen; Zheng, Lirong; Huang, Qingming; Zhou, Tianhua; Zhang, Jian	SCI(E) - ☒
97	Self-assembled CoOOH on TiO ₂ for Enhanced Photoelectrochemical Water Oxidation	Journal of Energy Chemistry	2021, 60, 512-521	Ren, Xiangrong; Ji, Yujin; <i>Zhai, Yiyue</i> ; Yuan, Ningyi; Ding, Jianning; Li, Youyong; Yan, Junqing; Liu, Shengzhong Frank	SCI(E) - ☒
98	Cobalt Porphyrins Supported on Carbon Nanotubes as Model Catalysts of Metal-N-4/C Sites for Oxygen Electrocatalysis	Journal of Energy Chemistry	2021, 53, 77-81	Qin, Haonan; Wang, Yanzhi; Wang, Bin; Duan, Xiaoguang; Lei, Haitao; Zhang, Xuepeng; Zheng, Haoquan; Zhang, Wei; Cao, Rui	SCI(E) - ☒
99	Inherent Mass Transfer Engineering of a Co, N Co-Doped Carbon Material towards Oxygen Reduction Reaction	Journal of Energy Chemistry	2021, 58, 391-396	Wang, Yanzhi; Wang, Bin; Yuan, Haitao; Liang, Zuoqiong; Huang, Zhehao; Zhou, Yuye; Zhang, Wei; Zheng, Haoquan; Cao, Rui	SCI(E) - ☒
100	Perovskite - A Wonder Catalyst for Solar Hydrogen Production	Journal of Energy Chemistry	2021, 57, 325-340	Bian, Hui; Li, Deng; Yan, Junqing; (Frank) Liu, Shengzhong	SCI(E) - ☒
101	Role of the Cu-ZrO ₂ Interface in the Hydrogenation of Levulinic Acid to γ -Valerolactone	Journal of Energy Chemistry	2021, 61, 446-458	Li, Ziyi; Hao, Haigang; Lu, Jingjing; Wu, Chengming; Gao, Rui; Li, Jifan; Liu, Chun-Ling; Dong, Wen-Sheng	SCI(E) - ☒
102	Superior Photovoltaics/Optoelectronics of Two-Dimensional Halide Perovskites	Journal of Energy Chemistry	2021, 57, 69-82	Gao, Lili; You, Jiaxue; Liu, Shengzhong (Frank)	SCI(E) - ☒
103	Decorating Hole Transport Material with -CF ₃ Groups for Highly Efficient and Stable Perovskite Solar Cells	Journal of Energy Chemistry	2021, 62, 523-531	Li, Bin; Cai, Yuan; Tian, Xia; Liang, Xiaozhong; Li, Da; Zhang, Zheng; Wang, Sijing; Guo, Kunpeng; Liu, Zhike	SCI(E) - ☒
104	Hot Debate on Perovskite Solar Cells: Stability, Toxicity, High-Efficiency and Low Cost	Journal of Energy Chemistry	2021, 53(), 407-411	Yang, Zhou; Wang, Hui; Huang, Min; Liu, Yang; Lv, Qunbo; Lv, Fang; Zhang, Xiaodan; Zhao, Ying; Liu, Shengzhong (Frank)	SCI(E) - ☒

105	Melamine-assisted Pyrolytic Synthesis of Bifunctional Cobalt-Based Core-Shell Electrocatalysts for Rechargeable Zinc-Air Batteries	Journal of Energy Chemistry	2021, 53, 364-371	Jiao, Jiqing; Pan, Yuan; Wang, Bin; Yang, Wenjuan; Liu, Shoujie; Zhang, Chao	SCI(E) - ☒
106	Design of Surface Termination for High-Performance Perovskite Solar Cells	Journal of Materials Chemistry A	2021, 9(41), 23597-23606	Yang, Yan; Zhao, Wangen; Yang, Tengting; Liu, Jiali; Zhang, Jingru; Fang, Yuankun; Liu, Shengzhong (Frank)	SCI(E) - ☒
107	Microstructure and Lattice Strain Control towards High-Performance Ambient Green-Printed Perovskite Solar Cells	Journal of Materials Chemistry A	2021, 9(22), 13297-13305	Fang, Junjie; Ding, Zicheng; Chang, Xiaoming; Lu, Jing; Yang, Tinghuan; Wen, Jialun; Fan, Yuanyuan; Zhang, Yalan; Luo, Tao; Chen, Yonghua; Liu, Shengzhong (Frank); Zhao, Kui	SCI(E) - ☒
108	PtRu Nanocubes as Bifunctional Electrocatalysts for Ammonia Electrolysis	Journal of Materials Chemistry A	2021, 9(13), 8444-8451	Xue, Qi; Zhao, Yue; Zhu, Jingyi; Ding, Yu; Wang, Tiaojiao; Sun, Huiying; Li, Fumin; Chen, Pei; Jin, Pujun; Yin, Shibin; Chen, Yu	SCI(E) - ☒
109	Stability of The CsPbI ₃ Perovskite: From Fundamentals to Improvements	Journal of Materials Chemistry A	2021, 9(18), 11124-11144	Yao, Zhun; Zhao, Wangen; Liu, Shengzhong (Frank)	SCI(E) - ☒
110	High-Quality Borophene Quantum Dot Realization and Their Application in a Photovoltaic Device	Journal of Materials Chemistry A	2021, 9(42), 24036-24043	Zhao, Anran; Han, Yu; Che, Yuhang; Liu, Qi; Wang, Xiyang; Li, Qi; Sun, Jie; Lei, Zhibin ; He, Xuexia; Liu, Zong-Huai	SCI(E) - ☒
111	Grain and Stoichiometry Engineering for Ultra-Sensitive Perovskite X-Ray Detectors	Journal of Materials Chemistry A	2021, 9(45), 25603-25610	Xiao, Yingrui; Jia, Shanshan; Bu, Nuo; Li, Nan; Liu, Yucheng; Liu, Ming; Yang, Zhou; Liu, Shengzhong (Frank)	SCI(E) - ☒
112	A Penetrated 2D/3D Hybrid Heterojunction for High-Performance Perovskite Solar Cells	Journal of Materials Chemistry A	2021, 9(40), 23019-23027	Sun, Jianguo; Zhang, Xuliang; Ling, Xufeng; Yang, Yingguo; Wang, Yao; Guo, Junjun; Liu, Shengzhong (Frank) ; Yuan, Jianyu; Ma, Wanli	SCI(E) - ☒
113	A Fibrous Thiazolothiazole-Bridged Viologen Polymer for High-Performance Lithium-Ion Batteries	Journal of Materials Chemistry A	2021, 9(34), 18506-18514	Chen, Ling; Zhu, Xiaolin; Zhang, Youzhi; Gao, Guangyuan; Xue, Wenhao; Zhang, Sen; Wang, Xiujian; Zhang, Qichun; He, Xiaoming	SCI(E) - ☒

114	High-Efficiency and Thermal/Moisture Stable CsPb _{2.84} Br _{0.16} inorganic Perovskite Solar Cells Enabled by a Multifunctional Cesium Trimethylacetate Organic Additive	Journal of Materials Chemistry A	2021, 9(8), 4922-4932	Zhao, Hang; Fu, Yao; Li, Zhenzhen; Yang, Shujie; Xu, Baomin; Liu, Xiaolong; Xu, Jia; Liu, Shengzhong (Frank) ; Yao, Jianxi	SCI(E) - ☒
115	Riveting the Atomically Distributed Lithiophilic Centers in The CNT-Reinforced interfacial Layer: An Ultrathin, Light-Weight Deposition Substrate toward Superior Li Utilization	Journal of Materials Chemistry A	2021, 9(37), 21281-21290	Zhao, Ting; Li, Shaowen; Wang, Yanzhi; Wang, Helin; Zhang, Min; Tang, Xiaoyu; Liu, Fu; Du, Dou; Zheng, Haoquan ; Ma, Yue	SCI(E) - ☒
116	Effective Surface Passivation with 4-Bromo-Benzonitrile to Enhance The Performance of Perovskite Solar Cells	Journal of Materials Chemistry C	2021, 9, 17089-17098	Li, Jiahui; Gao, Fei; Wen, Jialun; Xu, Zhuo; Zhang, Chaoqun; Hua, Xiaodong; Cai, Xuediao; Li, Yuanrui; Shi, Bonan; Han, Yu; Ren, Xiaodong; Liu, Shengzhong (Frank)	SCI(E) - ☒
117	Effective Surface Passivation with 4-Bromo-Benzonitrile to Enhance The Performance of Perovskite Solar Cells	Journal of Materials Chemistry C	2021, 9(47), 17089-17098	Li, Jiahui; Gao, Fei; Wen, Jialun; Xu, Zhuo; Zhang, Chaoqun; Hua, Xiaodong; Cai, Xuediao; Li, Yuanrui; Shi, Bonan; Han, Yu; Ren, Xiaodong; (Frank) Liu, Shengzhong	SCI(E) - ☒
118	A Cationic Conjugated Polymer with High 808 Nm NIR-Triggered Photothermal Conversion for Antibacterial Treatment	Journal of Materials Chemistry C	10.1039/d1tc03128g	Zhang, Chen; Wang, Kaige; Guo, Xueyuan; Tang, Yanli	SCI(E) - ☒
119	Controlling the Excited-State Relaxation for Tunable Single-Molecule Dual Fluorescence in Both the Solution and Film States	Journal of Materials Chemistry C	10.1039/d1tc04627f	Wang, Gang; <i>Ding, Nannan</i> ; Hao, Hongxing; Jiang, Qingwei; <i>Feng, Qianqian</i> ; Liu, Ke; Hua, Chunxia; Bian, Hongtao; Fang, Yu; Liu, Fengyi	SCI(E) - ☒
120	Unraveling the Crucial Role of Spacer Ligands in Tuning the Contact Properties of Metal-2D Perovskite Interfaces	Journal of Materials Chemistry C	2021, 9(27), 8489-8495	Xu, Zhuo; Chen, Ming; Liu, Shengzhong Frank	SCI(E) - ☒
121	Blue-Emitting Butterfly-Shaped Donor-Acceptor-Type 1,3,5,9-Tetraarylpyrenes: Easily Available, Low-Cost Conventional Fluorophores for High-Performance Near Ultraviolet Electroluminescence with CIE _y < 0.05	Journal of Materials Chemistry C	2021, 9(1), 260-269	Ran, Huijuan; Zhao, Zhen; Duan, Xuewei; Xie, Fuli; Han, Ruijun; Sun, Huaming; Hu, Jian-Yong	SCI(E) - ☒
122	New Reticular Chemistry of the Rod Secondary Building Unit: Synthesis, Structure, and Natural Gas Storage of a Series of Three-Way Rod Amide-Functionalized Metal-Organic Frameworks	Journal of the American Chemical Society	2021, 143(31), 12202-12211	Zhang, Yu-Feng; Zhang, Zong-Hui; Ritter, Logan; Fang, Han; Wang, Qian; Space, Brian; Zhang, Yue-Biao; Xue, Dong-Xu; Bai, Junfeng	SCI(E) - ☒

123	Identifying intermediates in Electrocatalytic Water Oxidation with a Manganese Corrole Complex	Journal of the American Chemical Society	2021, 143(36), 14613-14621	Li, Xialiang; Zhang, Xue-Peng; Guo, Mian; Lv, Bin; Guo, Kai; Jin, Xiaotong; Zhang, Wei ; Lee, Yong-Min; Fukuzumi, Shunichi; Nam, Wonwoo; Cao, Rui	SCI(E) — ☒
124	28.3%-Efficiency Perovskite/Silicon Tandem Solar Cell by Optimal Transparent Electrode for High Efficient Semitransparent Top Cell	Nano Energy	2021, 84, 105934	Yang, Dong; Zhang, Xiaorong; Hou, Yuchen; Wang, Kai; Ye, Tao; Yoon, Jungjin; Wu, Congcong; Sanghadasa, Mohan; Liu, Shengzhong (Frank) ; Priya, Shashank	SCI(E) — ☒
125	Amplification-Free and Mix-and-Read Analysis of Multiplexed MicroRNAs on a Single Plasmonic Microbead	Nano Letters	2021, 21(15), 6718-6724	Lu, Xiaohui; Hu, Chen; Jia, Dailu; <i>Fan, Wenjia o</i> ; Ren, Wei; Liu, Chenghui	SCI(E) — ☒
126	Total Syntheses of Galanthamine and Lycoramine via a Palladium-Catalyzed Cascade Cyclization and Late-Stage Reorganization of the Cyclized Skeleton	Organic Letters	2021, 23, 9659-9663	Chang, Ya-Ping; Ma, Xia; Shao, Hui; Zhao, Yu-Ming	SCI(E) — ☒
127	1,2,5,6,9-Pentaazacoronenes (PACs) and π -Extended PAC Derivatives: Synthesis, Crystal Structure, and Optical and Redox Properties	Organic Letters	2021, 23(15), 5616-5620	Sun, Yixun; Yang, Tian; Chen, Chong; Yang, Bo; Yang, Yihui; Li, Jing; Sun, Huaming; Wei, Junfa	SCI(E) — ☒
128	Structurally Diverse Synthesis of Five-, Six-, and Seven-Membered Benzosultams through Electrochemical Cyclization	Organic Letters	2021, 23(16), 6326-6331	Liu, Aiyun; Guo, Tiantian; Zhang, Shuangshuang; Yang, Han; Zhang, Qi; Chai, Yonghai; Zhang, Shengyong	SCI(E) — ☒
129	Rhodium-Catalyzed Redox-Neutral Olefination of Aryldiazenes with Acrylate Esters via C-H Activation and Transfer Hydrogenation	Organic Letters	2021, 23(5), 1687-1691	Zhang, Xiaofei; Zhang, Bin; Li, Xingwei	SCI(E) — ☒
130	Orthogonal Carbazole-Perylene Bisimide Pentad: A Photoconversion-Tunable Photosensitizer with Diversified Excitation and Excited-State Relaxation Pathways	Science China-Chemistry	2021, 64(12), 2193-2202	<i>Wang, Zhaolong</i> ; Sun, Yue; Lin, Simin; Wang, Gang; Chang, Xingmao; Gou, Xinyu; Liu, Taihong ; Jin, Shengye; He, Gang; Wei, Yu-Chen; Chou, Pi-Tai; Fang, Yu	SCI(E) — ☒
131	Polyanion and Anionic Surface Monitoring in Aqueous Medium Enabled by an Ionic Host-Guest Complex	Sensors and Actuators B-Chemical	2021, 340, 129916	Xu, Wenjun; Duan, Honghong; Chang, Xingmao; Wang, Gang; Hu, Dingfang; Wang, Zhaolong; Cao, Liping; Fang, Yu	SCI(E) — ☒

132	Methamphetamine Detection Enabled by a Fluorescent Carborane Derivative of Perylene Monoimide in Film State	Sensors and Actuators B-Chemical	2021, 340, 129964	<i>Ding, Nannan</i> ; Liu, Ke; Qi, Yanyu; Shang, Congdi; Chang, Xingmao; Fang, Yu	SCI(E) — ☒
133	A Simple Sensor Ensemble-Based Chemical Tongue for Powerful Fingerprint Identification of Multiple Thiols and Juice Powder	Sensors and Actuators B-Chemical	2021, 337, 129780	Fan, Junmei; Qi, Lu; <i>Qiao, Min</i> ; Gao, Zhipeng; Ding, Liping; Fang, Yu	SCI(E) — ☒
134	A Dual-Chromophore-Based Cross-Reactive Fluorescent Sensor for Efficient Discrimination of Multiple Anionic Surfactants	Sensors and Actuators B-Chemical	2021, 331, 129408	<i>Qiao, Min</i> ; Cao, Yuan; Liu, Taihong; Ding, Liping; Fang, Yu	SCI(E) — ☒
135	Antagonistic Action Regulated Anti-Etching Colorimetric Detection of Thiram Residue in Soil Based on Triangular Silver Nanoplates	Sensors and Actuators B-Chemical	2021, 344, 130304	Zhang, Chunhong; Jiang, Xiangkui; Yu, Fuhua; Liu, Yang; Yue, Qi; Yang, Peng ; Liu, Yongchun	SCI(E) — ☒
136	p-Type Carbon Dots for Effective Surface Optimization for Near-Record-Efficiency CsPbI ₂ Br Solar Cells	Small	2021, 17(37), 2102272	Guo, Xi; Zhao, Biao; Xu, Kunxiang; Yang, Shaomin; Liu, Zhike ; Han, Yu; Xu, Jie; Xu, Dongfang; Tan, Zhanao; Liu, Shengzhong (Frank)	SCI(E) — ☒
137	Single-Atom Doping and High-Valence State for Synergistic Enhancement of NiO Electrocatalytic Water Oxidation	Small	2021, 17(36), 2102448	Liu, Meng; Ji, Yujin; Li, Youyong; An, Pengfei; Zhang, Jing; Yan, Junqing; Liu, Shengzhong (Frank)	SCI(E) — ☒
138	Highly Active Hollow RhCu Nanoboxes toward Ethylene Glycol Electrooxidation	Small	2021, 17(10), 2006534	Qiao, Bin; Yang, Ting; Shi, Shufeng; Jia, Nan; Chen, Yu; Chen, Xinbing; An, Zhongwei ; Chen, Pei	SCI(E) — ☒
139	The Synthesis of Protein-Encapsulated Ceria Nanorods for Visible-Light Driven Hydrogen Production and Carbon Dioxide Reduction	Small	2021, 17(45), 2103422	Saif, Bassam; Gu, Quan; Yang, Peng	SCI(E) — ☒
140	Intermolecular Interaction Control Enables Co-optimization of Efficiency, Deformability, Mechanical and Thermal Stability of Stretchable Organic Solar Cells	Small	2021, 17(21), 2007011	Zhu, Qinglian; Xue, Jingwei; Zhang, Lu; Wen, Jialun; Lin, Baojun; Naveed, Hafiz Bilal; Bi, Zhaozhao; Xin, Jingming; Zhao, Heng; Zhao, Chao; Zhou, Ke; (Frank) Liu, Shengzhong ; Ma, Wei	SCI(E) — ☒

141	A Queue-Ordered Layered Mn-Based Oxides with Al Substitution as High-Rate and High-Stabilized Cathode for Sodium-Ion Batteries	Small	2021, 17(6), 2006259	Ma, Zelin; Zhao, Zeqin; Xu, Hanxue; Sun, Jie; He, Xuexia; Lei, Zhibin; Liu, Zong-huai; Jiang, Ruibin; Li, Qi	SCI(E) — ☒
142	Electrocatalytic Water Splitting: From Harsh and Mild Conditions to Natural Seawater	Small	2021, 2105830	Xiao, Xue; Yang, Lijun; Sun, Wenping; Chen, Yu; Yu, Hai; Li, Kangkang; Jia, Baohua; Zhang, Lei; Ma, Tianyi	SCI(E) — ☒
143	Probing Atomic-Scale Fracture of Grain Boundaries in Low-symmetry 2D Materials	Small	2021, 17(51), 2102739	Zhang, Hui; Yu, Yue; Dai, Xinyue; Yu, Jinshan; Xu, Hua; Wang, Shanshan; Ding, Feng; Zhang, Jin	SCI(E) — ☒
144	Boosting Photoanodic Activity for Water Splitting in Carbon Dots Aqueous Solution without Any Traditional Supporting Electrolyte	Applied Catalysis B-Environmental	2021, 296, 120378	Wang, Hong-Yan; Hu, Rong; Wang, Na; Hu, Gui-Lin; Wang, Kai; Xie, Wei-Hua; Cao, Rui	SCI(E) — ☒
145	Mesoporous Sulfur-Doped CoFe ₂ O ₄ as a New Fenton Catalyst for the Highly Efficient Pollutants Removal	Applied Catalysis B-Environmental	2021, 295, 120273	Gao, Ying; Zhu, Weihuang; Liu, Jiawu; Lin, Ping; Zhang, Jianfeng; Huang, Tinglin; Liu, Kaiqiang	SCI(E) — ☒
146	Spatial Confinement and Electron Transfer Moderating Mo-N Bond Strength for Superior Ammonia Decomposition Catalysis	Applied Catalysis B-Environmental	2021, 294, 120254	Huo, Lili; Han, Xi; Zhang, Luyao; Liu, Baocang; Gao, Rui; Cao, Bo; Wang, Wei-Wei; Jia, Chun-Jiang; Liu, Kaiqiang; Liu, Jinghai; Zhang, Jun	SCI(E) — ☒
147	Switching the O-O Bond-formation Mechanism by Controlling Water Activity	Chem	2021, 7(8), 1981-1982	Zhang, Wei; Cao, Rui	SCI(E) — ☒
148	1,2-Migrations onto Gold Carbene Centers	Chemical Reviews	2021, 121(14), 8948-8978	Wang, Tao; Hashmi, A. Stephen K.	SCI(E) — ☒
149	Carbohydrate-Based Macromolecular Biomaterials	Chemical Reviews	2021, 121(18), 10950-11029	Su, Lu; Feng, Yingle; Wei, Kongchang; Xu, Xuyang; Liu, Rongying; Chen, Guosong	SCI(E) — ☒
150	Porphyrin-Based Frameworks for Oxygen Electrocatalysis and Catalytic Reduction of Carbon Dioxide	Chemical Society Reviews	2021, 50(4), 2540-2581	Liang, Zuozhong; Wang, Hong-Yan; Zheng, Haoquan; Zhang, Wei; Cao, Rui	SCI(E) — ☒

151	Transition Metal-Mediated O-O Bond formation and Activation in Chemistry and Biology	Chemical Society Reviews	2021, 50(8), 4804-4811	Zhang, Xue-Peng; Chandra, Anirban; Lee, Yong-Min; Cao, Rui ; Ray, Kallol; Nam, Wonwoo	SCI(E) — ☒
152	Bioinspired N-4-Metallomacrocycles for Electrocatalytic Oxygen Reduction Reaction	Coordination Chemistry Reviews	2021, 442, 213996	Li, Yuliang; Wang, Ni; Lei, Haitao; Li, Xialiang; Zheng, Haoquan ; Wang, Hongyan; Zhang, Wei ; Cao, Rui	SCI(E) — ☒
153	Regulation on Topological Architectures and Gas Adsorption for Cadmium-Azolate-Carboxylate Frameworks by the Ligand Flexibility	Crystal Growth & Design	2021, 21(3), 1718-1726	Li, Hai-Peng; Xue, Ying-Ying; Wang, Ying; Sun, Huaming; Hu, Man-Cheng; Li, Shu-Ni; Jiang, Yucheng; Zhai, Quan-Guo	SCI(E) — ☒
154	Inner Strain Regulation in Perovskite Single Crystals Through Fine-Tuned Halide Composition	Crystal Growth & Design	2021, 21(3), 1741-1750	Ye, Haochen; Liu, Yucheng; Zhang, Yunxia; Xu, Zhuo; You, Jiaxue; Gao, Lili; Li, Bing; Yang, Zhou ; Zhang, Bobo; Liu, Shengzhong Frank	SCI(E) — ☒
155	Double Side Interfacial Optimization for Low-Temperature Stable CsPbI ₂ Br Perovskite Solar Cells with High Efficiency Beyond 16%	Energy & Environmental Materials	DOI: 10.1002/eem2.12212	Ma, Jing; Su, Jie; Lin, Zhenhua; He, Jian; Zhou, Long; Li, Tao; Zhang, Jincheng; Liu, Shengzhong ; Chang, Jingjing; Hao, Yue	SCI(E) — ☒
156	Tailoring the Linking Patterns of Polypyrene Cathodes for High-Performance Aqueous Zn Dual-Ion Batteries	Energy & Environmental Science	2021, 14(1), 462-472	Zhang, Chong; Ma, Wenyan; Han, Changzhi; Luo, Lian-Wei; Daniyar, Aigerim; Xiang, Sihui; Wu, Xianyong; Ji, Xiulei; Jiang, Jia-Xing	SCI(E) — ☒
157	A Review on the Stability of Inorganic Metal Halide Perovskites: Challenges and Opportunities for Stable Solar Cells	Energy & Environmental Science	2021, 14(4), 2090-2113	Xiang, Wanchun; Liu, Shengzhong (Frank) ; Tress, Wolfgang	SCI(E) — ☒
158	An ATP-Cu(II) Catalyst Efficiently Catalyzes Enantioselective Michael Reactions in Water	Green Chemistry	2021, 23(24), 9876-9880	Dong, Xingchen; Yuan, Zijian; Qu, Yao; Gao, Yuxin; Pei, Xue; Qi, Qianqian; Pei, Yujuan; Li, Jiaqi; Chen, Yashao ; Wang, Changhao	SCI(E) — ☒
159	Pd-Catalysed Carbonylative Suzuki-Miyaura Cross-Couplings Using Fe(CO) ₅ Under Mild Conditions: Generation of a Highly Active, Recyclable and Scalable 'Pd-Fe' Nanocatalyst	Green Chemistry	2021, 23(2), 920-926	Zhu, Zhuangli; Wang, Zhenhua; Jian, Yajun; Sun, Huaming; Zhang, Guofang; Lynam, Jason M.; McElroy, C. Robert; Burden, Thomas J.; inight, Rebecca L.; Fairlamb, Ian J. S.; Zhang, Weiqiang ; Gao, Ziwei	SCI(E) — ☒

160	Controllable Growth of Type-II Dirac Semimetal PtTe ₂ Atomic Layer on Au Substrate for Sensitive Room Temperature Terahertz Photodetection	InfoMat	2021, 3(6), 705-715	Yang, Yang; Zhang, Kaixuan; Zhang, Libo; Hong, Guo; Chen, Chao; Jing, Hongmei; Lu, Jiangbo; Wang, Peng; Chen, Xiaoshuang; Wang, Lin; Xu, Hua	SCI(E) - ☒
161	Flexible Perovskite Solar Cells with Simultaneously Improved Efficiency, Operational Stability, and Mechanical Reliability	Joule	2021, 5(6), 1587-1601	Dong, Qingshun; Chen, Min; Liu, Yuhang; Eickemeyer, Felix T.; Zhao, Weidong; Dai, Zhenghong; Yin, Yanfeng; Jiang, Chen; Feng, Jiangshan; Jin, Shengye; (Frank) Liu, Shengzhong ; Zakeeruddin, Shaik M.; Gratzel, Michael; Padture, Nitin P.; Shi, Yantao	SCI(E) - ☒
162	Bioactivity-Guided Synthesis Accelerates the Discovery of 3-(Iso)Quinolinylnyl-4-Chromenones as Potent Fungicide Candidates	Journal of Agricultural and Food Chemistry	2021, 69(1), 491-500	Wang, Wei; Zhang, Shan; Wang, Jianhua; Wu, Furan; Wang, Tao; Xu, Gong	SCI(E) - ☒
163	Electrospun Bi-Doped SnO ₂ Porous Nanosheets for Highly Sensitive Nitric Oxide Detection	Journal of Hazardous Materials	2021, 416, 126118	Ma, Zhuangzhuang; Yang, Kai; Xiao, Changlin; Jia, Lichao	SCI(E) - ☒
164	Boosting Carrier Dynamics of BiVO ₄ Photoanode via Heterostructuring with Ultrathin BiOI Nanosheets for Enhanced Solar Water Splitting	Journal of Materials Science & Technology	2021, 79, 21-28	Li, Can; Feng, Fan; Jian, Jie; Xu, Youxun; Li, Fan; Wang, Hongqiang; Jia, Lichao	SCI(E) - ☒
165	Self-Supported Nanoporous Lysozyme/Nanocellulose Membranes for Multifunctional Wastewater Purification	Journal of Membrane Science	2021, 635, 119537	Huang, Yanan; Yang, Peng ; Yang, Facui; Chang, Chunyu	SCI(E) - ☒
166	Enhanced Performance of Proton-Conducting Poly(Arylene Ether Sulfone)s via Multiple Alkylsulfonated Side-Chains and Block Copolymer Structures	Journal of Membrane Science	2021, 621, 118932	Yuan, Diao; Qin, Yajun; Li, Songsong; Du, Shenghua; Xu, Yaoyao; Weng, Qiang; Chen, Pei; Chen, Xinbing; An, Zhongwei	SCI(E) - ☒
167	N-Cyclic Cationic Group-Functionalized Cardo Poly(Arylene Ether Sulfone)s Membranes with Ultrahigh Selectivity for Diffusion Dialysis in Acid Recovery	Journal of Membrane Science	2021, 624, 119115	Gong, Feixiang; Fan, Zhitao; Xia, Wenke; Zhang, Meng; Wang, Lei; Wang, Xudong; Chen, Xinbing	SCI(E) - ☒
168	Hollow Polydopamine Nanoparticles Loading with Peptide RL-QN15: A New Pro-Regenerative Therapeutic Agent for Skin Wounds	Journal of Nanobiotechnology	2021, 19(1), 304	Sun, Huiling; Wang, Ying; He, Tiantian; He, Dingwei; Hu, Yan; Fu, Zhe; Wang, Yinglei; Sun, Dandan; Wang, Junsong; Liu, Yixiang; Shu, Longjun; He, Li; Deng, Ziwei; Yang, Xinwang	SCI(E) - ☒

169	Mesoporous Polydopamine Nanoparticles Carrying Peptide RI-Qn15 Show Potential for Skin Wound Therapy	Journal of Nanobiotechnology	2021, 19(1), 309	Qin, Pan; Meng, Yi; Yang, Ying; Gou, Xinyu; Liu, Naixin; Yin, Saige; Hu, Yan; Sun, Huiling; Fu, Zhe; Wang, Yinglei; Li, Xiaojie; Tang, Jing; Wang, Ying; Deng, Ziwei; Yang, Xinwang	SCI(E) - ☒
170	Van Der Waals Interaction-Induced Tunable Schottky Barriers in Metal-2D Perovskite Contacts	Journal of Physical Chemistry Letters	2021, 12(6), 1718-1725	Xu, Zhuo; Chen, Ming; Liu, Shengzhong Frank	SCI(E) - ☒
171	Simultaneous Dual-Interface and Bulk Defect Passivation for High-Efficiency and Stable CsPbI ₂ Br Perovskite Solar Cells	Journal of Power Sources	2021, 492, 229580	Zhao, Huan; Xu, Zhuo; Che, Yuhang; Han, Yu; Yang, Shaomin; Duan, Chenyang; Cui, Jian; Dai, Songyuan; Liu, Zhike; Liu, Shengzhong (Frank)	SCI(E) - ☒
172	Cotton Fabric-Derived Hybrid Carbon Network with N-Doped Carbon Nanotubes Grown Vertically as Flexible Multifunctional Electrodes for High-Rate Capacitive Energy Storage	Journal of Power Sources	2021, 507, 230303	Zhang, Wenliang; Guo, Rui; Dang, Liqin; Sun, Jie; Liu, Zonghuai; Lei, Zhibin	SCI(E) - ☒
173	Improved Performance of Novel Sulfonated Poly(Arylene Ether Sulfone) Copolymer via Tethering Densely Sulfonated Pendant Groups	Journal of Power Sources	2021, 484, 229265	Yuan, Diao; Qin, Yajun; Li, Songsong; Du, Shenghua; Xu, Yaoyao; Weng, Qiang; Chen, Pei; Chen, Xinbing; An, Zhongwei	SCI(E) - ☒
174	Organic Double D- π -A Sensitizers Based on 2,2'-(2,2-Diphenylethene-1,1'-Diyl)Dithiophene: π -Conjugation Fragment Effect on the Photovoltaic Properties	Materials Advances	2021, 2(20), 6641-6646	Zhou, Pengjuan; Lin, Bobing; Chen, Ran; Liang, Jianying; An, Zhongwei ; Weng, Qiang; Chen, Xinbing ; Chen, Pei	SCI(E) - ☒
175	A Special Additive Enables All Cations and Anions Passivation for Stable Perovskite Solar Cells with Efficiency over 23%	Nano-Micro Letters	2021, 13(1), 169	Zhao, Wenjing; Xu, Jie; He, Kun; Cai, Yuan; Han, Yu; Yang, Shaomin; Zhan, Sheng; Wang, Dapeng; Liu, Zhike; Liu, Shengzhong	SCI(E) - ☒
176	Ultrahigh-Energy Sodium Ion Capacitors Enabled by the Enhanced intercalation Pseudocapacitance of Self-Standing Ti ₂ Nb ₂ O ₉ /CNF Anodes	Nanoscale	2021, 13(37), 15781-15788	She, Liaona; Zhang, Feng; Jia, Congying; Kang, Liping; Li, Qi; He, Xuexia; Sun, Jie; Lei, Zhibin; Liu, Zong-Huai	SCI(E) - ☒
177	A Contorted Nanographene Shelter	Nature Communications	2021, 12(1), 5191	Wu, Huang; Wang, Yu; Song, Bo; Wang, Hui-Juan; Zhou, Jiawang; Sun, Yixun; Jones, Leighton O.; Liu, Wenqi; Zhang, Long; Zhang, Xuan; Cai, Kang; Chen, Xiao-Yang; Stern, Charlotte L.; Wei, Junfa; Farha, Omar K.; Anna, Jessica M.; Schatz, George C.; Liu, Yu; Stoddart, J. Fraser	SCI(E) - ☒

178	Perovskite Solar Cells toward Eco-Friendly Printing	Research	2021, 2021, 9671892	Chang, Xiaoming; Fan, Yuanyuan; Zhao, Kui ; Fang, Junjie; Liu, Dongle; Tang, Ming-Chun; Barrit, Dounya; Smilgies, Detlef-M; Li, Ruipeng; Lu, Jing; Li, Jianbo; Yang, Tinghuan; Amassian, Aram; Ding, Zicheng; Chen, Yonghua; Liu, Shengzhong (Frank) ; Huang, Wei	SCI(E) 一区
179	Flexible Diodes/Transistors Based on Tunable p-n-Type Semiconductivity in Graphene/Mn-Co-Ni-O Nanocomposites	Research	2021, 2021, 9802795	Su, Lihong; Yang, Zhou; Wang, Xitong; Zou, Ziao; Wang, Bo; Hodes, Gary; Chang, Ninghui; Suo, Yongyong; Ma, Zhibo; Wang, Haoxu; Liu, Yucheng; Zhang, Junping; Wang, Shuanhu; Li, Yuefei; Yang, Fengxia; Zhu, Jixin; Gao, Fei; Huang, Wei; Liu, Shengzhong	SCI(E) 一区
180	Inch-Sized High-Quality Perovskite Single Crystals by Suppressing Phase Segregation for Light-Powered Integrated Circuits	Science Advances	2021, 7(7), eabc8844	Liu, Yucheng; Zhang, Yunxia; Zhu, Xuejie; Yang, Zhou ; Ke, Weijun; Feng, Jiangshan; Ren, Xiaodong; Zhao, Kui ; Liu, Ming; Kanatzidis, Mercouri G.; Liu, Shengzhong (Frank)	SCI(E) 一区
181	Pyrenesulfonic Acid Sodium Salt for Effective Bottom-Surface Passivation to Attain High Performance of Perovskite Solar Cells	Solar RRL	2021, 5(10), 2100416	Gao, Lili; Su, Hang; Xu, Zhuo; Hu, Yingjie; Zhang, Jing; Liu, Shengzhong (Frank)	SCI(E) 一区
182	Improving Performance and Stability of Planar Perovskite Solar Cells Through Passivation Effect with Green Additives	Solar RRL	2021, 5(4), 2000732	Liu, Fangyv; Zuo, Xiaokun; Wang, Kai; Bao, Huaxi; Liu, Lu; Guo, Zhihua; Wang, Shiwei; Liu, Shengzhong Frank	SCI(E) 一区
183	Stable 2D Alternating Cation Perovskite Solar Cells with Power Conversion Efficiency > 19% via Solvent Engineering	Solar RRL	2021, 5(8), 2100286	Yang, Jun; Yang, Tinghuan; Liu, Dongle; Zhang, Yalan; Luo, Tao; Lu, Jing; Fang, Junjie; Wen, Jialun; Deng, Zhao; Liu, Shengzhong (Frank) ; Chen, Lihua; Zhao, Kui	SCI(E) 一区
184	Semitransparent Flexible Perovskite Solar Cells for Potential Greenhouse Applications	Solar RRL	2021, 5(8), 2100264	Wang, Ziyu; Zhu, Xuejie; Feng, Jiangshan; Yang, Dong; Liu, Shengzhong (Frank)	SCI(E) 一区
185	Versatile Bidentate Chemical Passivation on a Cesium Lead inorganic Perovskite for Efficient and Stable Photovoltaics	ACS Applied Energy Materials	2021, 4(4), 4021-4028	Gao, Changji; Zhang, Fanghui; Gu, Xiaojing; Huang, Jin; Wang, Kang; Zhang, Shiang; Liu, Shengzhong ; Tian, Qingwen	SCI(E) 二区

186	Cation Engineering for Effective Defect Passivation to Improve Efficiency and Stability of FA _{0.5} MA _{0.5} PbI ₃ Perovskite Solar Cells	ACS Applied Energy Materials	2021, 4(8), 7654-7660	Yang, Ying; You, Jiaxue; Zhang, Jing; Su, Hang; Du, Xinyi; Hu, Yingjie; Xu, Tingting; Gao, Lili; Liu, Shengzhong Frank	SCI(E) 二区
187	Formation Mechanism of Nitrogen-Doped Titanium Monoxide Nanospheres and their Application as Sulfur Hosts in Lithium Sulfur Batteries	ACS Applied Energy Materials	2021, 4(6), 5713-5726	Li, Miaoran; Zhu, Ying; Wu, Xiaodong; Lei, Yimin; He, Xuexia; Li, Qi; Jiang, Ruibin; Lei, Zhibin; Liu, Zonghuai; Sun, Jie	SCI(E) 二区
188	Dual-Interface Modification of CsPbIBr ₂ Solar Cells with Improved Efficiency and Stability	Advanced Materials interfaces	2021, 8(7), 2001994	Jiang, Xiao; Subhani, Waqas Siddique; Wang, Kai; Wang, Hui; Duan, Lianjie; Du, Minyong; Pang, Shuping; Liu, Shengzhong (Frank)	SCI(E) 二区
189	Direct Distinguishing of Methanol over Ethanol with a Nanofilm-Based Fluorescent Sensor	Advanced Materials Technologies	2021, 6(2), 2000933	Han, Tian; Yang, Jinglun; Miao, Rong ; Liu, Ke; Li, Jing; Wang, Dan; Liu, Taihong; Fang, Yu	SCI(E) 二区
190	Ion-Accumulation-Induced Charge Tunneling for High Gain Factor in P-I-N-Structured Perovskite CH ₃ NH ₃ PbI ₃ X-Ray Detector	Advanced Materials Technologies	2021, 2100908	Jia, Shanshan; Xiao, Yingrui; Hu, Mingxin; He, Xilai; Bu, Nuo; Li, Nan; Liu, Yucheng; Zhang, Yunxia; Cui, Jian; Ren, Xiaodong; Zhao, Kui ; Liu, Ming; Wang, Shubo; Yuan, Ningyi; Ding, Jianning; Yang, Zhou; Liu, Shengzhong(Frank)	SCI(E) 二区
191	Ag(I)-Catalyzed Synthesis of 2-Aminoquinolines from 1-Aminobutadiynes and Anilines	Advanced Synthesis & Catalysis	2021, 363(24), 5443-5447	Liu, Ningning; Sun, Huaming; Wang, Junying; Zhang, Zunting; Wang, Tao	SCI(E) 二区
192	Synthesis of Trans-4a,12b/3,4-Dihydrodibenzo[<i>f,h</i>]quinolin-2(1 <i>H</i>)-Ones and Dibenzo[<i>f,h</i>]quinolin-2(1 <i>H</i>)-Ones via Irradiation of 6-Biphenylpyridine-2(1 <i>H</i>)-Ones	Advanced Synthesis & Catalysis	2021, 363(14), 3554-3559	Sui, Jingzhi; He, Yun; Wang, Tao; Liang, Yong; Zhang, Zunting	SCI(E) 二区
193	Comparative Evaluation and Design of a G-Triplex/Thioflavin T-Based Molecular Beacon	Analyst	2021, 146(8), 2567-2573	<i>Gao, Jingru</i> ; Liu, Qiang; Liu, Wei; Jin, Yan; Li, Baoxin	SCI(E) 二区
194	Aggregation-Induced Emission Enhancement of Gold Nanoclusters in Metal-Organic Frameworks for Highly Sensitive Fluorescent Detection of Bilirubin	Analyst	2021, 146(3), 904-910	Xia, Mengfan; Sui, Yucun; Guo, Ying; Zhang, Yaodong	SCI(E) 二区

195	Ratiometric Fluorescence Determination of Alkaline Phosphatase Activity Based on Dual Emission of Bovine Serum Albumin-Stabilized Gold Nanoclusters and the inner Filter Effect	Analyst	2021, 146(3), 943-948	Pu, Li; Xia, Mengfan; Sun, Pengyue; Zhang, Yaodong	SCI(E) 二区
196	The Role of Surface Curvature in Electrocatalysts	Chemistry-A European Journal	2022, 28, e202102915	Wang, Yanzhi; Bao, Zijia; Shi, Mengke; Liang, Zuozhong; Cao, Rui; Zheng, Haoquan	SCI(E) 二区
197	Perylene Bisimide-Cored Supramolecular Coordination Complexes: Interplay between Ensembles, Excited State Processes, and Aggregation Behaviors	Chemistry-A European Journal	2021, 27(60), 14876-14885	Chang, Xingmao; Wang, Zhaolong; Wang, Gang; Liu, Taihong ; Lin, Simin; Fang, Yu	SCI(E) 二区
198	Rhodium-Terpyridine Catalyzed Transfer Hydrogenation of Aromatic Nitro Compounds in Water	Chemistry-Asian Journal	2021, 16(13), 1725-1729	Liu, Yuxuan; <i>Miao, Wang</i> ; Tang, Weijun; Xue, Dong ; Xiao, Jianliang; Wang, Chao ; Li, Changzhi	SCI(E) 二区
199	Molecular Simulation, Characteristics and Mechanism of Thermal-Responsive Acetylated Amylose V-Type Helical Complexes	Journal of Materials Chemistry B	2021, 9(15), 3389-3400	Tang, Peng; Liu, Yongchun; Gao, Yuan; Wang, Ya; Zhang, Hui; Liu, Yiming; Wu, Daocheng	SCI(E) 二区
200	Manganese-Catalyzed Achmatowicz Rearrangement Using Green Oxidant H ₂ O ₂	Journal of Organic Chemistry	2021, 86(14), 9563-9586	Xing, Qingzhao; Hao, Zhe; Hou, Jing; Li, Gaoqiang; Gao, Ziwei ; Gou, Jing; Li, Chaoqun ; Yu, Binxun	SCI(E) 二区
201	Improving Electrocatalytic Oxygen Reduction Activity and Selectivity with a Cobalt Corrole Appended with Multiple Positively Charged Proton Relay Sites	Journal of Physical Chemistry C	2021, 125(45), 24805-24813	Han, Jinxiu; Wang, Ni; Li, Xialiang; Zhang, Wei; Cao, Rui	SCI(E) 二区
202	Comment on Critical Role of Anion-Solvent interactions for Dynamics of Solvent-in-Salt Solutions	Journal of Physical Chemistry C	2021, 125(17), 9582-9584	<i>Zhang, Miaomiao</i> ; Mukherjee, Somnath; Bian, Hongtao	SCI(E) 二区
203	Polymer induced Gelation of Aqueous Suspensions of Cellulose Nanocrystals	Langmuir	2021, 37(10), 3015-3024	Oguzlu, Hale; Dobyrdon, Illia; Liu, Xiaoyan ; Bhaduri, Swayamdipta; Claesson, Per Martin; Boluk, Yaman	SCI(E) 二区
204	Tuning Rheological Behaviors of Supramolecular Aqueous Gels via Charge Transfer interactions	Langmuir	2021, 37, 14713-14723	Yang, Zonglin; Li, Yuangang; Shen, Chaowen; Chen, Yong; Li, Huajing; Zhou, Anning; Liu, Kaiqiang	SCI(E) 二区

205	Reproducible and Fast Preparation of Superhydrophobic Surfaces via an Ultrasound-Accelerated One-Pot Approach for Oil Collection	Separation and Purification Technology	2021, 258, 118036	Wang, Biyun; Ma, Yanling; Wang, Ni; Wang, Juanli; Luo, Jing; Peng, Bo; Deng, Ziwei	SCI(E) 二区
206	Thermal Regulation of Single Particles and Particle Clusters in Ice	Soft Matter	2021, 17(7), 1779-1787	You, Jiaxue; Wang, Zhijun; Worster, M. Grae	SCI(E) 二区
207	Effect of aspect Ratio on the Chirality of Gold Nanorods Prepared Through Conventional Seed-Mediated Growth Method	Analytica Chimica Acta	2021, 1152, 338277	Zhou, Xiaojuan; Liu, Qiang; Shi, Xiaoyu; Xu, Chunli; Li, Baoxin	SCI(E) 二区
208	In-Situ Generation of Potassium Ferricyanide for Label-Free and Enzyme-Free Chemiluminescence Detection of Telomerase Activity	Analytica Chimica Acta	2021, 1165, 338550	Zhu, Jinrui; Yang, Bing; Liu, Wei; Li, Baoxin; Jin, Yan	SCI(E) 二区
209	Electrodeposited of Ultrathin VO _x -Doped NiFe Layer on Porous NiCo Phosphide for Efficient Overall Water Splitting	Applied Physics Letters	2021, 119(10), 103902	Yang, Xueying; Wang, Xiuhang; Zhao, Tingwen; Ma, Yi; Wang, Zenglin; Zhao, Chuan	SCI(E) 二区
210	Preparation of Surfactant Modified Magnetic Expanded Graphite Composites and Its Adsorption Properties for Ionic Dyes	Applied Surface Science	2021, 537, 147995	Tian, Yayu; Ma, Hongzhu; Xing, Baoshan	SCI(E) 二区
211	Enhanced Lithium Storage Performance Guided by intricate-Cavity Hollow Cobalt Phosphide	Applied Surface Science	2021, 563, 150395	Shang, Fanfan; Yu, Wei; Shi, Ranting; Wan, Shanhong; Zhang, Hang; Wang, Bin; Cao, Rui	SCI(E) 二区
212	Quantum Chemical insights into the Atmospheric Reactions of CH ₂ FCH ₂ OH with OH Radical, Fate of CH ₂ FC•HOH Radical and Ozone formation Potential	Atmospheric Environment	2021, 249, 118247	Lily, Makroni; Hynniewta, Shemphang; Muthiah, Balaganesh; Wang, Wenliang; Chandra, asit K.; Liu, Fengyi	SCI(E) 二区
213	Cobalt-Catalyzed Asymmetric Hydrogenation of Ketones: A Remarkable Additive Effect on Enantioselectivity	Chinese Chemical Letters	2021, 32(3), 1241-1244	Du, Tian; Wang, Biwen; Wang, Chao ; Xiao, Jianliang; Tang, Weijun	SCI(E) 二区
214	Anion Engineering of Hierarchical Co-A (A = O, Se, P) Hexagrams for Efficient Electrocatalytic Oxygen Evolution Reaction	Chinese Chemical Letters	2021, 32(10), 3241-3244	Liang, Zuozhong; Yang, Chenxi; Zhang, Wei; Zheng, Haoquan; Cao, Rui	SCI(E) 二区

215	Nonplanar Perylene Monoimide-Based Fluorescent Film for Enhanced Btx Sensing	Chinese Journal of Chemistry	2021, 39(8), 2088-2094	Zhang, Meiling; <i>Ding, Nannan</i> ; <i>Lai, Fayan</i> ; Shang, Congdi; Miao, Rong; Liu, Zhongshan; Fang, Yu	SCI(E) 二区
216	Target Extension-Activated DNA Walker on Nanoparticles for Digital Counting-Based Analysis of MicroRNA	Chinese Journal of Chemistry	2021, 39(6), 1471-1476	<i>Feng, Qinya</i> ; Zhai, Yuqing; Ren, Wei; Liu, Chenghui	SCI(E) 二区
217	A Configurationally Tunable Perylene Bisimide Derivative-Based Fluorescent Film Sensor for the Reliable Detection of Volatile Basic Nitrogen towards Fish Freshness Evaluation	Chinese Journal of Chemistry	2022, 40(2), 201-208	Jiang, Qingwei; Wang, Zhaolong; Wang, Gang; Liu, Ke; Xu, Wenjun; Shang, Congdi; Gou, Xinyu; Liu, Taihong; Fang, Yu	SCI(E) 二区
218	Study on N-Guanylurea-Dinitramide (GUDN) Decomposition Using Theoretical Simulations, Online Photoionization Mass Spectrometry and TG-DSC-IR-MS Experiments	Combustion and Flame	2021, 229, 111406	Jiang, Liping; Fu, Xiaolong; Fan, Xuezhong; Li, Jizhen; Xie, Wuxi; Zhang, Guofang; Zhou, Zhongyue; Zhang, Wei	SCI(E) 二区
219	Pavement Anti-Icing Coating Based on a Functional Composite of NaCl Microcapsules	Construction and Building Materials	2021, 307, 125010	Xiang, Hao; Xia, Huiyun; Chen, Yashao ; Wu, Yongchang; Chen, Huaxin; Yan, Minjie	SCI(E) 二区
220	Significantly Boosted Oxygen Electrocatalysis with Cooperation between Cobalt and Iron Porphyrins	Dalton Transactions	2021, 50(15), 5120-5123	Lei, Haitao; Zhang, Qingxin; Wang, Yabo; Gao, Yimei; Wang, Yanzhi; Liang, Zuozhong; Zhang, Wei; Cao, Rui	SCI(E) 二区
221	Modifying a Partial Corn-sql Layer-Based (3,3,3,3,4,4)-C topological MOF by Substitution of OH ⁻ with Cl ⁻ and Its Highly Selective Adsorption of C2 Hydrocarbons Over CH ₄	Dalton Transactions	2021, 50(14), 4840-4847	<i>Cheng, Hongtao</i> ; <i>Wang, Qian</i> ; Ding, Min; Gao, Yajun; Xue, Dongxu; Bai, Junfeng	SCI(E) 二区
222	Enhancement of the Fluorescence Properties via Introducing the Tetraphenylethylene Chromophores into a Novel Mn-Organic Framework with a Rare [Mn ₄ (Mu ₃ -OH) ₂] Cluster	Dalton Transactions	2021, 50(47), 17482-17486	Zhang, Jian-Wei; Li, Hui; Li, Jie-Qiong; Chen, Ya; Qu, Peng; Zhai, Quan-Guo	SCI(E) 二区
223	Enhanced Two-Photon Absorption of Sandwich-Like Coordination Complexes Based on Squaraine and Metallomacrocyclic Derivatives	Dyes and Pigments	2021, 193, 109487	Zang, Jianyang; Feng, Wan; Chang, Xingmao; Liu, Ke; Peng, Haonan; Ding, Liping; Liu, Taihong; Fang, Yu	SCI(E) 二区
224	The Effect of Benzoxazole Unit on the Properties of Cyclic Thiourea Functionalized Triphenylamine Dye Sensitizers	Dyes and Pigments	2021, 187, 109093	Liu, Shuang; Zhou, Muhan; Zhang, Guanjun; Chen, Ran; Zhou, Pengjuan; An, Zhongwei; Chen, Xinbing ; An, Qi; Chen, Pei	SCI(E) 二区

225	Influence of the Terminal Group on Optoelectronic Properties of Fused-Ring Nonfullerene Acceptors with Ethylhexyl Side Chain	Dyes and Pigments	2021, 194, 109635	Zhang, Qian; Adil, Muhammad Abdullah; Wang, Zhongke; Zhao, Guangtao; Wang, Tao; Jiang, Ruibin; Zhang, Jianqi; Wang, Qiang	SCI(E) 二区
226	Synthesis and Photophysical Properties of Vertically Pi-Expanded Coumarins	Dyes and Pigments	2021, 186, 108956	Li, Chenyu; Wang, Ding; Xue, Wenhao; Peng, Jufang; Wang, Tao; Zhang, Zunting	SCI(E) 二区
227	3D Hierarchical NiCo ₂ S ₄ Nanoparticles/Carbon Nanotube Sponge Cathode for Highly Compressible asymmetric Supercapacitors	Energy & Fuels	2021, 35(4), 3449-3458	Yang, Xiaoming; He, Xuexia; Li, Qi; Sun, Jie; Lei, Zhibin; Liu, Zong-Huai	SCI(E) 二区
228	Nanocarriers for Inner Ear Disease Therapy	Frontiers in Cellular Neuroscience	2021, 15, 791573	Xu, Xiaoxiang; Zheng, Jianwei; He, Yanze; Lin, Kun; Li, Shuang; Zhang, Ya; Song, Peng; Zhou, Yuye; Chen, Xiong	SCI(E) 二区
229	Two-Dimensional (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ PbI ₄ Perovskite Single Crystal Resistive Switching Memory Devices	IEEE Electron Device Letters	2021, 42(3), 327-330	Di, Jiayu; Lin, Zhenhua; Su, Jie; Wang, Jiaping; Zhang, Jincheng; Liu, Shengzhong ; Chang, Jingjing; Hao, Yue	SCI(E) 二区
230	Hydrolytically Stable and Trifunctional Zirconium-Based Organic Frameworks toward Cr ₂ O ₇ ²⁻ Detection, Capture, and Photoreduction	Inorganic Chemistry	2021, 60(11), 8143-8153	Li, Qing; Cai, Xinbin; Chen, Ling-Hui; Guan, Bin-Bin; Fan, Zeng-Lu; Zhu, Wei; Xue, Dong-Xu	SCI(E) 二区
231	Discrepancy Between Proline and Homoproline in Chiral Recognition and Diastereomeric Photoreactivity with Iridium(III) Complexes	Inorganic Chemistry	2021, 60(8), 5423-5431	Xiong, Ming-Feng; Peng, He-Long; Zhang, Xue-Peng; Ye, Bao-Hui	SCI(E) 二区
232	Co/N-Doped Carbon Nanotubes-Grafted Porous Carbon Sheets Architecture as Efficient Electrocatalyst for Oxygen Reduction Reaction	Journal of Alloys and Compounds	2021, 871, 159566	Leng, Deying; Tang, Houbing; Yang, Mingming; Zhang, Jinniu; Zhang, Yafeng; Qin, Juan; Liu, Qianru; Lu, Hongbing; Yin, Feng	SCI(E) 二区
233	Ti ₂ Nb ₂ O ₉ /Graphene Hybrid Anode with Superior Rate Capability for High-Energy-Density Sodium-Ion Capacitors	Journal of Alloys and Compounds	2021, 860, 158431	She, Liaona; Zhang, Feng; Jia, Congying; Kang, Liping; Li, Qi; He, Xuexia; Sun, Jie; Lei, Zhibin; Liu, Zong-Huai	SCI(E) 二区
234	Ti ₃ C ₂ T _x /RGO/TANI/RGO All-Solid-State asymmetrical Fiber Supercapacitor with High Energy Density and Superior Flexibility	Journal of Alloys and Compounds	2021, 861, 157950	Liu, Qi; Zhao, Anran; He, Xuexia; Li, Qi; Sun, Jie; Lei, Zhibin; Liu, Zong-Huai	SCI(E) 二区

235	Synthesis and Properties of 5,6-Dihydro-4H-Cyclopenta[B]Thiophene-Based Nematic Liquid Crystals: A New Access to Mesogens with High Birefringence and Large Dielectric Anisotropy	Journal of Molecular Liquids	2021, 327, 114827	Wan, Danyang; Yang, Xiaozhe; Li, Juanli; Hu, Minggang; Mo, Lingchao; Che, Zhaoyi; Guo, Qiang; An, Zhongwei ; Li, Jian	SCI(E) 二区
236	Optimizing Morphology to Trade off Charge Transport and Mechanical Properties of Stretchable Conjugated Polymer Films	Macromolecules	2021, 54(9), 3907-3926	Ding, Zicheng; Liu, Dongle; Zhao, Kui; Han, Yanchun	SCI(E) 二区
237	Composite Electrode Based on Single-Atom Ni Doped Graphene for Planar Carbon-Based Perovskite Solar Cells	Materials & Design	2021, 209, 109972	Guo, Min; Wei, Chenyang; Liu, Congcong; Zhang, Kun; Su, Haijun; Xie, Keyu; Zhai, Peng; Zhang, Jun; Liu, Lin	SCI(E) 二区
238	Gel-Emulsion Templated Polymeric Aerogels for Solar-Driven Interfacial Evaporation and Electricity Generation	Materials Chemistry Frontiers	2021, 5(4), 1953-1961	Liu, Jianfei; Chen, Xiangli; Yang, Hui; <i>Tang, Jiaqi</i> ; Miao, Rong; Liu, Kaiqiang; Fang, Yu	SCI(E) 二区
239	Functional Composite Hydrogels Entrapping Polydopamine Hollow Nanoparticles for Highly Efficient Resistance of Skin Penetration and Photoprotection	Materials Science & Engineering C- Materials for Biological	2021, 128, 112346	Li, Nini; Ji, Xiaohong; Wang, Bulei; Guo, Yanglin; Wang, Changhao; Chen, Yashao	SCI(E) 二区
240	Halide-Modulated Self-assembly of Metal-Free Perovskite Single Crystals for Bio-Friendly X-Ray Detection	Matter	2021, 4(7), 2490-2507	Cui, Qingyue; Song, Xin; Liu, Yucheng; Xu, Zhuo; Ye, Haochen; Yang, Zhou; Zhao, Kui; Liu, Shengzhong (Frank)	SCI(E) 二区
241	Molecular Engineering for Two-Dimensional Perovskites with Photovoltaic Efficiency Exceeding 18%	Matter	2021, 4(2), 582-599	Wu, Guangbao; Yang, Tinghuan; Li, Xing; Ahmad, Nafees; Zhang, Xuning; Yue, Shengli; Zhou, Jin; Li, Yanxun; Wang, Hui; Shi, Xinghua; Liu, Shengzhong (Frank); Zhao, Kui ; Zhou, Huiqiong; Zhang, Yuan	SCI(E) 二区
242	Enhanced Lattice Oxygen Activity on Glow Discharge Plasma Irradiated SrCr/SiO ₂ and the Performance in Oxidative Dehydrogenation of Ethane with CO ₂	Molecular Catalysis	2021, 509, 111658	Li, Xinyi; Chen, Haoran; Liu, Wei; Shen, Jun; Luo, Shizhong; Jing, Fangli	SCI(E) 二区
243	Supramolecular Polymerization of Bodipy Dyes Extended with Rationally Designed Pyrazole-Based Motifs	Polymer Chemistry	2021, 12(38), 5535-5541	Zhang, Youzhi; Zhou, Na; Zhu, Xiaolin; He, Xiaoming	SCI(E) 二区

244	Room-Temperature Sputtered-SnO ₂ Modified Anode Toward Efficient TiO ₂ -Based Planar Perovskite Solar Cells	Science China-Technological Sciences	2021, 64(9), 1995-2002	Li, Dan; Li, Yong; Liu, ZhiKe ; Wang, DaPeng; Liu, ShengZhong Frank	SCI(E) 二区
245	Screen-Printed Carbon Black/SiO ₂ Composite Counter Electrodes for Dye-Sensitized Solar Cells	Solar Energy	2021, 230(), 902-911	Ahmed, Abdelaal S. A.; Xiang, Wanchun; Hashem, Fatma S. M.; Zhao, Xiujian	SCI(E) 二区
246	Morphology Control of Perovskite Film for Efficient CsPbIBr ₂ Based Inorganic Perovskite Solar Cells	Solar Energy Materials and Solar Cells	2021, 221, 110878	Pan, Junye; Zhang, Xing; Zheng, Yong; Xiang, Wanchun	SCI(E) 二区
247	Selective Hydrogenolysis of 5-Hydroxymethylfurfural To 2,5-Dimethylfuran with Ethanol as a Hydrogen Donor Over Beta-Mo ₂ C Embedded in Carbon Microspheres	Sustainable Energy & Fuels	2021, 5(18), 4749-4757	Cao, Ningning; Chen, Yong; Lu, Kaiyun; Wu, Chengming; Abudila, Buzaynafu; Li, Jifan; Liu, Chun-Ling; Dong, Wen-Sheng	SCI(E) 二区
248	Fluorescence and Electrochemical Assay for Bimodal Detection of Lead Ions Based on Metal-Organic Framework Nanosheets	Talanta	2021, 232, 122405	Chen, Guozhen; Bai, Wushuang; Jin, Yan ; Zheng, Jianbin	SCI(E) 二区
249	Synthesis and Anti-Fibrotic Effects of Santamarin Derivatives as Cytotoxic Agents Against Hepatic Stellate Cell Line LX2	Bioorganic & Medicinal Chemistry Letters	2021, 41, 127994	Wang, Jin-Ping; Li, Tian-Ze; Huang, Xiao-Yan; Geng, Chang-An; Shen, Cheng; Sun, Jin-Jin; Xue, Dong ; Chen, Ji-Jun	SCI(E) 三区
250	Naoh-Modified Mesoporous Biochar Derived From Tea Residue for Methylene Blue and Orange II Removal	Chemical Engineering Research & Design	2021, 167, 129-140	Mu, Yongkang; Ma, Hongzhu	SCI(E) 三区
251	Tapered Coaxial Arrays for Photon- and Plasmon-Enhanced Light Harvesting in Perovskite Solar Cells: A theoretical Investigation Using the Finite Element Method	ChemPlusChem	2021, 86(6), 858-864	Chen, Ming; Xue, Tailin; Tian, Qingwen; Xu, Zhuo; Liu, Shengzhong Frank	SCI(E) 三区
252	Deep-Level Transient Spectroscopy for Effective Passivator Selection in Perovskite Solar Cells to Attain High Efficiency over 23%	ChemPlusChem	2021, 14(15), 3182-3189	Ren, Xiaodong; Zhang, Bobo; Zhang, Lu; Wen, Jialun; Che, Bo; Bai, Dongliang; You, Jiaxue; Chen, Tao; Liu, Shengzhong (Frank)	SCI(E) 三区
253	Effects of Heat Transfer in a Growing Particle Layer on Microstructural Evolution During Solidification of Colloidal Suspensions*	Chinese Physics B	2021, 30(2), 28103	You, Jia-Xue; Zhang, Yun-Han; Wang, Zhi-Jun; Wang, Jin-Cheng; Liu, Sheng-Zhong	SCI(E) 三区

254	Successive Degradation of Organophosphate Nerve Agent by Integrating the Merits of Artificial Enzyme and Metal Nanoparticle Catalyst	Colloid and interface Science Communications	2021, 41, 100382	Xia, Mengfan; Mao, Caiyun; Guo, Ying; Pu, Li; Zhang, Yaodong	SCI(E) 三 区
255	Construction of Photoresponsive Azobenzene-Decorated Cationic Surfactant-Based Self-assembled Vesicles and Controlled Drug Release	Colloids and Surfaces A-Physicochemical and Engineering	2021, 631, 127711	Li, Nini; Yun, Le; Ji, Xiaohong; Mukherjee, Somnath; Wang, Changhao; Chen, Yashao	SCI(E) 三 区
256	Controllable Ionic Self-assembly of Polyoxometalate and Melamine for Synthesis of Nanostructured Ag	Colloids and Surfaces A-Physicochemical and Engineering	2021, 623, 126732	Li, Hong; Xiong, Zhuzhu; Shi, Xiaodan; Gao, Fan; Peng, Haonan; Jia, Yi	SCI(E) 三 区
257	Supramolecular Gel Strategy-Based Nanomaterials with Room Temperature Spin Transition	Colloids and Surfaces A-Physicochemical and Engineering	2021, 612, 126016	An, Xuan; Fang, Wan; <i>Wang, Zhaolong</i> ; Liu, Kaiqiang; Ding, Liping; Peng, Junxia; Liu, Taihong; Peng, Haonan ; Salmon, Lionel; Fang, Yu	SCI(E) 三 区
258	A Minimalist Ratiometric Fluorescent Sensor Based on Non-Covalent Ternary Platform for Sensing H ₂ S in Aqueous Solution and Serum	Colloids and Surfaces A-Physicochemical and Engineering	2021, 616, 126299	Fan, Junmei; Wu, Enrui; Dong, Jinlong; Zhu, Ruitao; Li, Meiqin; Gao, Jiangning; Han, Hongfei; Ding, Liping	SCI(E) 三 区
259	Effect of Adsorption Structure upon Directional Charge Transfer and Electronic Coupling in a Hybrid Dye Sensitizer Based on a Cadmium Sulfide Quantum Dot	Energy Technology	2021, 9(11), 2100565	Cui, Peng; Zhu, Xiaolin; Xue, Yuan	SCI(E) 三 区
260	Synthesis of Isatin-Hydrazones From 3-Diazo Oxindoles and Sulfoxonium Ylides Under Catalyst- and Additive-Free Conditions	European Journal of Organic Chemistry	2021, 2021(10), 1592-1595	Tian, Yu; Zhang, Zunting; Wang, Tao	SCI(E) 三 区
261	On the Completeness of Three-Dimensional Electron Diffraction Data for Structural Analysis of Metal-Organic Frameworks	Faraday Discussions	2021, 231(0), 66-80	Ge, Meng; Yang, Taimin; Wang, Yanzhi; Carraro, Francesco; Liang, Weibin; Doonan, Christian; Falcaro, Paolo; Zheng, Haoquan; Zou, Xiaodong; Huang, Zhehao	SCI(E) 三 区
262	Highly Efficient Conversion of Glucose to Methyl Lactate Over Hierarchical Bimetal-Doped Beta Zeolite Catalysts	Journal of Chemical Technology and Biotechnology	2021, 96(8), 2238-2248	Yue, Xiao-Yang; Ren, Hui-Fang; Wu, Chengming; Xu, Jun; Li, Jifan; Liu, Chun-Ling; Dong, Wen-Sheng	SCI(E) 三 区
263	Composite Polydopamine-Based TiO ₂ Coated Mesh with Restorable Superhydrophobic Surfaces for Wastewater Treatment	Journal of Materials Science	2021, 56(12), 7321-7333	Wang, Ni; Zhang, Hao; Liu, Songyu; Peng, Bo; Deng, Ziwei	SCI(E) 三 区

264	Resonance-Enhanced Two-Photon Absorption and Optical Power Limiting Properties of Three-Dimensional Perylene Bisimide Derivatives	Journal of Physical Chemistry B	2021, 125(41), 11540-11547	Feng, Wan; Liu, Ke; Zang, Jianyang; Xu, Jiale; Peng, Haonan; Ding, Liping; Liu, Taihong; Fang, Yu	SCI(E) 三 区
265	Highly Performed Nitrogen-Doped Porous Carbon Electrocatalyst for Oxygen Reduction Reaction Prepared by a Simple and Slight Regulation in Hydrolyzing Process of Zif-8	Journal of Solid State Chemistry	2021, 302, 122415	Wang, Yini; Zhou, Jia; He, Yu; Liu, Yifan; Xu, Chunli	SCI(E) 三 区
266	Synthesis of Photo, Oxidation, Reduction Triple-Stimuli-Responsive interface-Cross-Linked Polymer Micelles as Nanocarriers for Controlled Release	Macromolecular Chemistry and Physics	2021, 222(13), 2000365	Guo, Qiong; Liu, Jiangtao; Yang, Hong; Lei, Zhongli	SCI(E) 三 区
267	Biopolymer-Based Membrane Adsorber for Removing Contaminants from Aqueous Solution: Progress and Prospects	Macromolecular Rapid Communications	2021, 2100669	<i>Yang, Facui</i> ; Yang, Peng	SCI(E) 三 区
268	Metal-Free N and O Co-Doped Carbon Directly Derived from Bicrystal Zn-Based Zeolite-Like Metal-Organic Frameworks as Durable High-Performance Ph-Universal Oxygen Reduction Reaction Catalyst	Nanotechnology	2021, 32(40), 405401	Zhou, Jia; He, Yu; Wang, Yini; Li, Xiaoyang; Xu, Chunli	SCI(E) 三 区
269	Hollow and Mesoporous Lipstick-Like Nitrogen-Doped Carbon with incremented Catalytic Activity for Oxygen Reduction Reaction	Nanotechnology	2021, 32(9), 95401	Zhang, Ge; Zhou, Jia; Liu, Jiang; Ma, Tian; Chen, Yu; Xu, Chunli	SCI(E) 三 区
270	Nickel Selenide from Single-Molecule Electrodeposition for Efficient Electrocatalytic Overall Water Splitting	New Journal of Chemistry	2021, 45(1), 351-357	Chen, Dandan; Chen, Yingdong; Zhang, Wei; Cao, Rui	SCI(E) 三 区
271	Small-Molecule Acceptors with Long Alkyl Chains for High-Performance As-Cast Nonfullerene Organic Solar Cells	Organic Electronics	2021, 93, 106167	Lin, Hao; Adil, Muhammad Abdullah; Zhang, Qian; Zhang, Jianqi; Wang, Qiang	SCI(E) 三 区
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273	A Robust, Freeze-Resistant and Highly Ion Conductive Ionogel Electrolyte Towards Lithium Metal Batteries Workable At-30 Degrees C	Physical Chemistry Chemical Physics	2021, 23(11), 6775-6782	<i>Tang, Jiaqi</i> ; Zhai, Binbin; Liu, Jianfei; Ren, Wenhao; Han, Yu; Yang, Hui; Chen, Yongsheng; Zhao, Chuan; Fang, Yu	SCI(E) 三 区

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275	Temperature/Reduction Dual Response Nanogel Is formed by in Situ Stereocomplexation of Poly (Lactic Acid)	Polymers	2021, 13(20), 3492	Gao, Wenli; Wang, Zhidan; Song, Fei; Fu, Yu; Wu, Qingrong; Liu, Shouxin	SCI(E) 三区
276	Synthesis of Quinolines via Sequential Addition and I-2-Mediated Desulfurative Cyclization	RSC Advances	2021, 11(61), 38889-38893	Yang, Mingming; Jian, Yajun; Zhang, Weiqiang ; Sun, Huaming; Zhang, Guofang; Wang, Yanyan; Gao, Ziwei	SCI(E) 三区
277	Synthetic and Thermal Studies of Four insensitive Energetic Materials Based on Oxidation of the Melamine Structure	RSC Advances	2021, 11(1), 288-295	Zhang, Jiarong; Bi, Fuqiang; Zhang, Junlin; Wang, Xiaohong; Yang, Zhi; Zhang, Guofang; Wang, Bozhou	SCI(E) 三区
278	An Oxidant- and Catalyst-Free Synthesis of Dibenzo[a,c]carbazoles via UV Light Irradiation of 2,3-Diphenyl-1H-indoles	Synthesis-Stuttgart	10.1055/a- 1677-4881	Kang, Yang; Hou, Rong; Min, Xiaoyan; Wang, Tao; Liang, Yong; Zhang, Zunting	SCI(E) 三区
279	Peroxidase-mimicking Activity of PCN-222(Fe) for Colorimetric Sensing of Acetylcholinesterase Activity and Inhibition	Analytical Sciences	2021, 37(7), 1023-1027	<i>Xia, Mengfan</i> ; Liu, tongtong; Zhang, Yaodong	SCI(E) 四区
280	Chemical Constituents of Euphorbia Peplus	Biochemical Systematics and Ecology	2021, 98, 104307	Min, Xiao-Yan; Chen, Yan-Ni; Li, Dong-Mei; Mu, Qiu-Yan; Zhang, Zun-Ting; Fang, Xin	SCI(E) 四区
281	Topology-Guided Synthesis and Construction of Amide-Functionalized Rare-Earth Metal-Organic Frameworks	Inorganic Chemistry Communications	2021, 133, 108896	Wei, Wen-Qi; Guo, Xin-Ai; Zhang, Zong-Hui; Zhang, Yu-Feng; Xue, Dong-Xu	SCI(E) 四区
282	Adhesion Improvement of ABS Resin by MnO ₂ -H ₃ PO ₄ -H ₂ SO ₄ Colloid with Ultrasound-assisted Etching Treatment	Journal of Adhesion Science and Technology	10.1080/0169 4243.2021.19 89225	He, Yue; Li, Bingbing; Shen, Yu; Wang, Zenglin	SCI(E) 四区
283	Hierarchical Fe-Sn/Beta Catalyzes the Conversion of Glucose to Methyl Lactate	Journal of Porous Materials	2021, 28(5), 1315-1324	Cai, Qiang; Yue, Xiaoyang; Dong, Wen-Sheng	SCI(E) 四区

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287	Transition-Metal-Catalyzed Hydroxylation Reaction of Aryl Halide for the Synthesis of Phenols	Synlett	2021, 32(19), 1891-1896	Yang, L.; Xue, D.	SCI(E) 四区
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289	Metal-Protein Hybrid Materials with Desired Functions and Potential Applications	ACS Applied Bio Materials	2021, 4(2), 1156-1177	Saif, Bassam; Yang, Peng	SCI(E) 四区
290	Covalent Organic Polymer Nanoparticle-Supported Monolithic Foams for Separation of Nitrotoluene Isomers	ACS Applied Nano Materials	2021, 4(10), 10864-10876	Li, Wei; Lyu, Jieli; Song, Haimao; Song, Zetao; Wang, Ruoyu; Ye, Lei; Liu, Zhongshan; Fang, Yu; Peng, Junxia	SCI(E) 四区
291	Nondestructive Evaluation of Fish Freshness through Nanometer-Thick Fluorescence-Based Amine-Sensing Films	ACS Applied Nano Materials	2021, 4(3), 2575-2582	<i>Lai, Fayan</i> ; Yang, Jinglun; Huang, Rongrong; <i>Wang, Zhaolong</i> ; <i>Tang, Jiaqi</i> ; Zhang, Meiling; Miao, Rong; Fang, Yu	SCI(E) 四区
292	Synthesis of Large-Area Uniform MoS ₂ -WS ₂ Lateral Heterojunction Nanosheets for Photodetectors	ACS Applied Nano Materials	2021, 4(5), 5522-5530	Chen, Chao; Yang, Yang; Zhou, Xing; Xu, Wenxiong; Cui, Qiannan; Lu, Jiangbo; Jing, Hongmei; Tian, Dan; Xu, Chunxiang; Zhai, Tianyou; Xu, Hua	SCI(E) 四区
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300	Transition Metal Complexes Derived From 2-hydroxy-4-(p-tolyldiazenyl)ben-zylidene)-2-(p-tolylamino)acetohydrazide Synthesis, Structural Characterization, and Biological Activities	Journal of the Korean Chemical Society-Daehan Hwahak Hoe Jee	2021, 65(2), 93-105	Alhakimi, Ahmed N.; Shakdofa, Mohamad M. E.; Saeed, S. El-Sayed; Shakdofa, Adel M. E.; Al-Fakeh, Maged S.; Abdu, ashwaq M.; Alhagri, Ibrahim A.	SCI(E) 四区
301	Effect of Pi-Conjugation Units on the Liquid Crystal and Photovoltaic Performance of Heterocyclic Pyridine-Based Compounds	Liquid Crystals	2021, 48(15), 2178-2187	<i>Chen, Ran</i> ; Wang, Lu; An, Zhongwei ; Chen, Xinbing ; Chen, Pei	SCI(E) 四区
302	Introduction of 5,6-Dihydro-4H-Cyclopenta[B]Thiophene Core Unit into Phenyl-tolane: Expanding The Mesophase Range and Increasing the Birefringence and Dielectric Anisotropy of Liquid Crystal	Liquid Crystals	2021, 48(12), 1650-1659	Wan, Danyang; Shi, Fengjiao; Che, Zhaoyi; Mo, Lingchao; Hu, Minggang; Guo, Qiang; Li, Juanli; An, Zhongwei ; Li, Jian	SCI(E) 四区

303	High Density and Unit Activity integrated in Amorphous Catalysts for Electrochemical Water Splitting	Small Structures	2021, 2(4), 2000096	Zhai, Yiyue; Ren, Xiangrong; Yan, Junqing; Liu, Shengzhong (Frank)	SCI(E) 四区
304	Lithium Storage in Carbon Cloth-Supported KNb_3O_8 Nanorods toward a High-Performance Lithium-Ion Capacitor	Small Structures	2021, 2(8), 2100029	Sun, Hui; Niu, Fei; Yuan, Peng; He, Xuexia; Sun, Jie; Liu, Zonghuai; Li, Qi; Lei, Zhibin	SCI(E) 四区
305	Toxic Metal Ion Sequestration by Amyloid-Mediated Fast Coacervation	Cell Reports Physical Science	2021, 2(3), 100379	Yang, Facui; Yang, Qingmin; Chen, Mengmeng; Luo, Chunyan; Chen, Weixing; Yang, Peng	SCI(E) 四区